



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

**A-5005**

Groupe **A/B**  
Group

FICHE D'HOMOLOGATION CONFORME A L'ANNEXE J DU CODE SPORTIF INTERNATIONAL  
HOMOLOGATION FORM IN ACCORDANCE WITH APPENDIX J OF THE INTERNATIONAL SPORTING CODE

Homologation valable à partir du -1 FEV 1982 en groupe A  
Homologation valid as from -1 FEB 1982 in group A

Photo A



Photo B



## 1. DEFINITIONS / DEFINITIONS

101. Constructeur SAAB-SCANIA AB  
Manufacturer

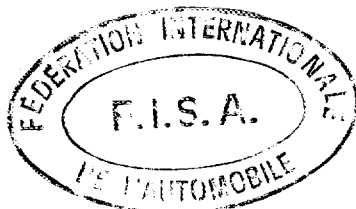
102. Dénomination(s) commerciale(s) -- Modèle et type SAAB 99 SEDAN TURBO  
Commercial name(s) -- Type and model

103. Cylindrée totale 1985 x 1,4 = 2780 cm<sup>3</sup>  
Cylinder capacity

104. Mode de construction  séparée, matériau du châssis Steel  
Type of car construction  monocoque  
unitary construction

105. Nombre de volumes 3  
Number of volumes

106. Nombre de places 1 + 4  
Number of places



SVEDESKA SJFORDERSKAPET  
THE SWEDISH AUTOMOBILE FEDERATION

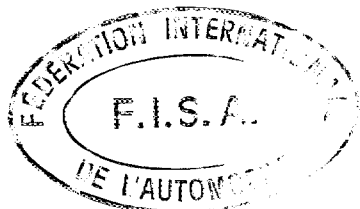
Marque SAAB Modèle 99 SEDAN TURBO N° Homol. A-5005  
Make \_\_\_\_\_ Model \_\_\_\_\_

## 2. DIMENSIONS, POIDS / DIMENSIONS, WEIGHT

202. Longueur hors-tout  
Overall length 4421 mm  $\pm 1\%$
203. Largeur hors-tout  
Overall width 1690 mm  $\pm 1\%$  Endroit de la mesure  
Where measured AT REAR AXLE
204. Largeur de la carrosserie:  
Width of bodywork:  
a) A la hauteur de l'axe AV 1670 mm  $\pm 1\%$   
At front axle  
b) A la hauteur de l'axe AR 1690 mm  $\pm 1\%$   
At rear axle
206. Empattement: a) Droit 2473 mm  $\pm 1\%$  b) Gauche: 2473 mm  $\pm 1\%$   
Wheelbase: Right Left:
209. Porte-à-faux: a) AV: 927 mm  $\pm 1\%$  b) AR: 1020 mm  $\pm 1\%$   
Overhang: Front: Rear:
210. Distance «G» (volant - paroi de séparation AR)  
Distance «G» (steering wheel - rear bulkhead) 1640 mm  $\pm 1\%$

## 3. MOTEUR / ENGINE: (En cas de moteur rotatif, voir Article 335 sur fiche complémentaire). (In case of rotative engine, see Article 335 on complementary form).

301. Emplacement et position du moteur: FRONT-LONGITUDINAL (45°)  
Location and position of the engine:
303. Cycle 4-STROKE  
Cycle
304. Suralimentation oui/~~NON~~ type TURBOCHARGER  
Supercharging yes/~~NO~~ type  
(En cas de suralimentation, voir également l'Article 334 sur fiche complémentaire)  
(In case of supercharging, see also Article 334 on complementary form)
305. Nombre et disposition des cylindres 4 IN LINE  
Number and layout of the cylinders
306. Mode de refroidissement LIQUID COOLING  
Cooling system
307. Cylindrée: a) Unitaire 496 cm<sup>3</sup> b) Totale 1985 (2780) cm<sup>3</sup>  
Cylinder capacity: a) Unitary b) Total  
c) Totale maximum autorisée\*: 2012 (2816) cm<sup>3</sup> \*(Cette indication n'est pas à considérer en Gr. N)  
c) Maximum total allowed\*: \*(This indication is not to be considered in Gr. N)



SAAB CAR AB  
MILWAUKEE, WISCONSIN, U.S.A.

Marque SAAB Modèle 99 SEDAN TURBO N° Homol. A-5005  
 Make \_\_\_\_\_ Model \_\_\_\_\_

312. Matériau du bloc-cylindres CAST IRON  
 Cylinder block material \_\_\_\_\_

313. Chemises: a) ~~XX~~/non c) Type: -  
 Sleeves: Yes/no Type: \_\_\_\_\_

314. Alésage 90  
 Bore \_\_\_\_\_ mm

315. Alésage maximum autorisé 90,6 (Cette indication n'est pas à considérer en Gr N)  
 Maximum bore allowed \_\_\_\_\_ mm (This indication is not to be considered in Gr N)

316. Course 78  
 Stroke \_\_\_\_\_ mm

318. Bielle: a) Matériau STEEL b) Type de la tête de bielle SHELL  
 Connecting rod: Material \_\_\_\_\_ Big end type \_\_\_\_\_

c) Diamètre intérieur de la tête de bielle (sans coussinets): 56 mm  $\pm 0,1\%$   
 Interior diameter of the big end (without bearings): \_\_\_\_\_

d) Longueur entre axes: 134 mm ( $\pm 0,1$  mm) e) Poids minimum: 700 g  
 Length between the axes: \_\_\_\_\_ Minimum weight: \_\_\_\_\_

319. Vilebrequin: a) Type de construction ONE PIECE  
 Crankshaft: Type of manufacture \_\_\_\_\_

b) Matériau STEEL  
 Material \_\_\_\_\_

c)  coulé  estampé d) Nombre de paliers 5  
 moulded  stamped Number of bearings \_\_\_\_\_

e) Type de paliers SHELL  
 Type of bearings \_\_\_\_\_

f) Diamètre des paliers 58 mm  $\pm 0,2\%$   
 Diameter of bearings \_\_\_\_\_

g) Matériau des chapeaux des paliers CAST IRON  
 Bearing caps material \_\_\_\_\_

h) Poids minimum du vilebrequin nu 15500 g  
 Minimum weight of the bare crankshaft \_\_\_\_\_

320. Volant moteur: a) Matériau STEEL  
 Flywheel: Material \_\_\_\_\_

b) Poids minimum avec couronne de démarreur 8700 g  
 Minimum weight of the flywheel with starter ring \_\_\_\_\_

321. Culasse: a) Nombre de culasses 1 b) Matériau ALUMINIUM  
 Cylinderhead: Number of cylinderheads \_\_\_\_\_ Material \_\_\_\_\_

323. Alimentation par carburateur(s): a) Nombre de carburateurs -  
 Fuel feed by carburettor(s): Number of carburetors \_\_\_\_\_

b) Type - c) Marque et modèle -  
 Type \_\_\_\_\_ Make and model \_\_\_\_\_



SVENSKA BIL- och MOTORFÖRBUNDET  
 THE SWEDISH MOTOR AND VEHICLE ASSOCIATION

Marque SAAB Modéle 99 SEDAN TURBO N° Homol. A-5005  
 Make \_\_\_\_\_ Model \_\_\_\_\_

- d) Nombre de passages de gaz par carburateur \_\_\_\_\_  
 Number of mixture passages per carburettor \_\_\_\_\_  
 e) Diamètre maximum de la tubulure de gaz à la sortie du carburateur \_\_\_\_\_ mm  
 Maximum diameter of the flange hole of the carburettor exit port \_\_\_\_\_  
 f) Diamètre du diffuseur au point d'étranglement maximum \_\_\_\_\_ mm  
 Diameter of the venturi at the narrowest point \_\_\_\_\_

324. Alimentation par injection: a) Marque: BOSCH  
 Fuel feed by injection: Manufacturer: \_\_\_\_\_  
 b) Modèle du système d'injection: K-JETRONIC  
 Model of injection system: \_\_\_\_\_  
 c) Mode de dosage du carburant:  mécanique  électronique  hydraulique  
 Kind of fuel measurement:  mechanical  electronical  hydraulical  
 c1) Plongeur Xoui/Xnon c2) Mesure du volume d'air oui/Xnon  
 Piston pump Xyes/Xno Measurement of air volume yes/Xno  
 c3) Mesure de la masse d'air Xoui/Xnon c4) Mesure de la vitesse de l'air Xoui/Xnon  
 Measurement of air mass Xyes/Xno Measurement of air speed Xyes/Xno  
 c5) Mesure de la pression d'air Xoui/Xnon Quelle est la pression de réglage? \_\_\_\_\_ bars  
 Measurement of air pressure Xyes/Xno Which pressure is taken for measurement? \_\_\_\_\_  
 d) Dimensions effectives du point de mesure au(x) papillon(s) ou au(x) tiroir(s) d'étranglement 55 mm  
 Effective dimensions of measure position in the throttle area \_\_\_\_\_  
 e) Nombre des sorties effectives de carburant 8  
 Number of effective fuel outlets \_\_\_\_\_  
 f) Position des soupapes d'injection:  Canal d'admission  Cuiasse  
 Position of injection valves:  Inlet manifold  Cylinderhead  
 g) Parties du système d'injection servant au dosage du carburant \_\_\_\_\_  
 Statement of fuel measuring parts of injection system \_\_\_\_\_  
**DISTRIBUTOR, AIR FLOW SENSOR AND VALVES**

325. Arbre à cames: a) Nombre 1 b) Emplacement OVERHEAD  
 Camshaft: Number \_\_\_\_\_ Location \_\_\_\_\_  
 c) Système d'entraînement CHAIN d) Nombre de paliers par arbre 5  
 Driving system \_\_\_\_\_ Number of bearings for each shaft \_\_\_\_\_  
 f) Système de commande des soupapes CAM TO TAPPET  
 Type of valve operation \_\_\_\_\_

326. Distribution: e) Levée maximum des soupapes Admission 9,9 mm Echappement 11,1 mm  
 Timing: Maximum valve lift Inlet \_\_\_\_\_ Exhaust \_\_\_\_\_  
 avec jeu de with clearance 0.20 mm 0.40 mm

327. Admission: a) Matériau du collecteur ALUMINIUM  
 Inlet: Material of the manifold \_\_\_\_\_  
 b) Nombre d'éléments du collecteur 1 c) Nombre de soupapes par cylindre 1  
 Number of manifold elements \_\_\_\_\_ Number of valves per cylinder \_\_\_\_\_  
 d) Diamètre maximum des soupapes 42,2 mm e) Diamètre de la tige de soupape 8 mm  
 Maximum diameter of the valves \_\_\_\_\_ Diameter of the valve stem \_\_\_\_\_  
 f) Longueur de la soupape 108 ± 1 mm g) Type des ressorts de soupape COIL  
 Length of the valve \_\_\_\_\_ Type of valve springs \_\_\_\_\_



SYNDICAT DES PROPRIETAIRES DE  
 LES VEHICULES AUTOMOBILES TOUR FÉDÉRATION

A-5005

Marque SAAB Modéle 99 SEDAN TURBO N° Homol. \_\_\_\_\_  
Make \_\_\_\_\_ Model \_\_\_\_\_

328. Echappement: a) Matériau du collecteur CAST IRON  
Exhaust: Material of the manifold \_\_\_\_\_  
b) Nombre d'éléments du collecteur 1 d) Nombre de soupapes par cylindre 1  
Number of manifold elements \_\_\_\_\_ Number of valves per cylinder \_\_\_\_\_  
e) Diamètre maximum des soupapes 35.7 mm f) Diamètre de la tige de soupape 8 mm  
Maximum diameter of the valves \_\_\_\_\_ Diameter of the valve stem \_\_\_\_\_  
g) Longueur de la soupape 108 ± 1 mm h) Type des ressorts de soupape COIL  
Length of the valve \_\_\_\_\_ Type of valve springs \_\_\_\_\_

330. Système d'allumage: a) Type TRANSISTORIZED WITH DISTRIBUTOR AND COIL  
Ignition system: Type \_\_\_\_\_  
b) Nombre de bougies par cylindre 1 c) Nombre de distributeurs 1  
Number of plugs per cylinder \_\_\_\_\_ Number of distributors \_\_\_\_\_

333. Système de lubrification: a) Type OIL IN SUMP b) Nombre de pompes à huile 1  
Lubrification system: Type \_\_\_\_\_ Number of oil pumps \_\_\_\_\_

4. CIRCUIT DE CARBURANT / FUEL CIRCUIT

401. Réservoir: a) Nombre 1 b) Emplacement REAR MOUNTED  
Fuel tank: Number \_\_\_\_\_ Location \_\_\_\_\_  
c) Matériau POLYETHYLENE d) Capacité maximum 55 L  
Material \_\_\_\_\_ Maximum capacity \_\_\_\_\_

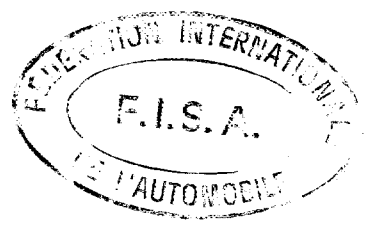
5. EQUIPEMENT ELECTRIQUE / ELECTRICAL EQUIPEMENT

501. Batterie(s): a) Nombre 1  
Battery(ies): Number \_\_\_\_\_

6. TRANSMISSION / DRIVE

601. Roues motrices:  avant  arrière  
Driving wheels:  front  rear

602. Embrayage: b) Système de commande HYDRAULIC  
Clutch: Drive system \_\_\_\_\_  
c) Nombre de disques 1  
Number of plates \_\_\_\_\_



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Marque SAAB Modèle 99 SEDAN TURBO N° Homol. A-5005  
 Make \_\_\_\_\_ Model \_\_\_\_\_

603. Boîte de vitesses: a) Emplacement FRONT  
 Gear-box: Location \_\_\_\_\_

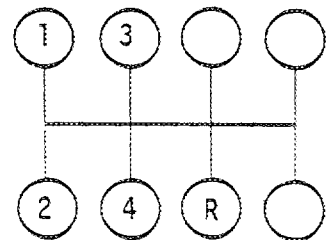
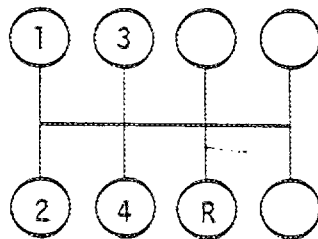
b) Marque «manuelle» SAAB c) Marque «automatique» \_\_\_\_\_  
 «Manual» make \_\_\_\_\_ «Automatic» make \_\_\_\_\_

d) Emplacement de la commande FLOOR  
 Location of the gear lever \_\_\_\_\_

e) Rapports Ratios

	Manuelle / Manual			Automatique / Automatic			B.V. suppl. / Additional G.B.		
	rapports ratio	nombre de dents / number of teeth	synchro.	rapports ratio	nombre de dents / number of teeth	synchro.	rapports ratio	nombre de dents / number of teeth	synchro.
1	3.44	$\frac{33}{18} \cdot \frac{30}{16}$	X				2.20	$\frac{27}{23} \cdot \frac{30}{16}$	
2	2.07	$\frac{33}{18} \cdot \frac{26}{23}$	X				1.53	$\frac{27}{23} \cdot \frac{26}{20}$	
3	1.39	$\frac{33}{18} \cdot \frac{22}{29}$	X				1.22	$\frac{27}{23} \cdot \frac{25}{24}$	
4	1.00		X				1.00		
5									
AR/R	3.78	$\frac{33}{18} \cdot \frac{33}{16}$					2.42	$\frac{27}{23} \cdot \frac{33}{16}$	
Constante									
Constant.									

f) Grille de vitesse  
 Gear change gate



604. Surmultiplication: a) Type \_\_\_\_\_  
 Overdrive: Type \_\_\_\_\_

b) Rapport Ratio \_\_\_\_\_ c) Nombre de dents Number of teeth \_\_\_\_\_

d) Utilisable avec les vitesses suivantes Usuable with the following gears \_\_\_\_\_



SYNERMA BUCHENLAMPEN  
 88000 BUCHENLAMPEN, TEL. 0331 22000

Marque SAAB  
Make \_\_\_\_\_

Modèle 99 SEDAN TURBO  
Model \_\_\_\_\_

N° Homol. A-5005

605. Couple final:

Final drive:

a) Type du couple final  
Type of final drive

b) Rapport  
Ratio

c) Nombre de dents  
Teeth number

d) Type de limitation de  
différentiel (si prévu)  
Type of differential  
limitation (if provided)

AV / Front	AR / Rear
BEVEL GEAR	
3.89	
35/9	
-	

e) Rapport de la boîte de transfert  
Ratio of the transfer box \_\_\_\_\_

606. Type de l'arbre de transmission  
Type of the transmission shaft \_\_\_\_\_

7. SUSPENSION / SUSPENSION

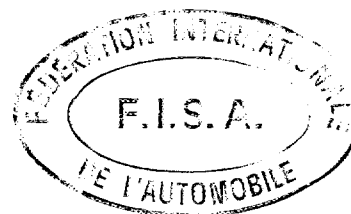
701. Type de suspension: a) AV / Front TRANSVERSE WISHBONE ARMS INDEPENDENT WHEELS  
Type of suspension: b) AR / rear STIFF REAR AXLE RIGID AXLE

702. Ressorts hélicoïdaux: AV: ~~oui~~/~~yes~~ AR: ~~oui~~/~~yes~~  
Helicoidal springs: Front: ~~yes~~/~~no~~ Rear: ~~yes~~/~~no~~

703. Ressorts à lames: AV: ~~oui~~/~~yes~~ AR: ~~oui~~/~~yes~~  
Leaf springs: Front: ~~yes~~/~~no~~ Rear: ~~yes~~/~~no~~

704. Barre de torsion: AV: ~~oui~~/~~yes~~ AR: ~~oui~~/~~yes~~  
Torsion bar: Front: ~~yes~~/~~no~~ Rear: ~~yes~~/~~no~~

705. Autre type de suspension: Voir photo/dessin en page 15  
Other type of suspension: See photo or drawing on page 15



SYNDICAT EUROPEEN DES CONSTRUCTEURS  
DE VEHICULES AUTOMOBILES

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Marque SAAB  
 Make \_\_\_\_\_

Modèle 99 SEDAN TURBO  
 Model \_\_\_\_\_

N° Homol. A-5005

707. Amortisseurs:

Shock Absorbers:

- a) Nombre par roue  
Number per wheel
- b) Type  
Type
- c) Principe de fonctionnement  
Working principle

Avant / Front	Arrière / Rear
1	1
TELESCOPIC	TELESCOPIC
GAS-HYDRAULIC	GAS-HYDRAULIC

8. TRAIN ROULANT / RUNNING GEAR:

801. Roues: a) Diamètre AV AR  
 Wheels: Diameter Front 15 "/ 381 mm Rear 15 "/ 381 mm

803. Freins: a) Système de freinage DUAL HYDRAULIC  
 Brakes: Braking system \_\_\_\_\_

- b) Nombre de maître-cylindres 1 TANDEM b1) Alésage 2 x 22,2 mm  
 Number of master cylinders \_\_\_\_\_ Bore \_\_\_\_\_ mm
- c) Servo-frein oui/XXX c1) Marque et type GIRLING-VACUUM  
 Power assisted brakes yes/XXX Make and type \_\_\_\_\_
- d) Régulateur de freinage XXX/non d1) Emplacement \_\_\_\_\_  
 Braking adjuster yes/no Location \_\_\_\_\_

e) Nombre de cylindres par roue:  
 Number of cylinders per wheel:

e1) Alésage  
 Bore

f) Freins à tambours:

Drum brakes:

f1) Diamètre intérieur  
 Interior diameter

f2) Nombre de mâchoires par roue.  
 Number of shoes per wheel

f3) Surface de freinage  
 Braking surface

f4) Largeur des garnitures  
 Width of the shoes

g) Freins à disques:

Disc brakes:

g1) Nombres de sabots par roue  
 Number of pads per wheel

g2) Nombre d'étriers par roue  
 Number of calipers per wheel

Avant / Front	Arrière / Rear
1	2
54 _____ mm	30 _____ mm
- _____ mm (± 1,5 mm)	- _____ mm (± 1,5 mm)
- _____	- _____
- _____ cm <sup>2</sup>	- _____ cm <sup>2</sup>
- _____ mm	- _____ mm
2	2
1	1



SVENSKA BILFÖRENINGEN SBF  
 The Swedish Automobile Club SBF



Marque SAAB  
 Make \_\_\_\_\_

Modèle 99 SEDAN TURBO  
 Model \_\_\_\_\_

N° Homol. A-5005

	AV / Front	AR / Rear
g3) Matériau des étriers Caliper material	<u>WELDED STEEL AND CAST IRON</u>	<u>CAST IRON</u>
g4) Epaisseur maximale du disque Maximum disc thickness	<u>13.0</u> mm	<u>10.7</u> mm
g5) Diamètre extérieur du disque Exterior diameter of the disc	<u>280</u> mm (± 1 mm)	<u>269.5</u> mm (± 1 mm)
g6) Diamètre extérieur de frottement des sabots Exterior diameter of the shoe's rubbing surface	<u>276</u> mm	<u>267.5</u> mm
g7) Diamètre intérieur de frottement des sabots Interior diameter of the shoe's rubbing surface	<u>177</u> mm	<u>191.5</u> mm
g8) Longueur hors-tout des sabots Overall length of the shoes	<u>76</u> mm	<u>56</u> mm
g9) Disques ventilés Ventilated disc	<del>XXX</del> /non <del>XXX</del> /no	<del>XXX</del> /non <del>XXX</del> /no
g10) Surface de freinage par roue Braking surface per wheel	<u>704.5</u> cm <sup>2</sup>	<u>547.5</u> cm <sup>2</sup>

h) Frein de stationnement:  
 Parking brake:  
 h2) Emplacement de la commande FLOOR  
 Location of the lever \_\_\_\_\_

h1) Système de commande MECHANICAL-INTEGR.  
 Command system \_\_\_\_\_  
 h3) Effet sur roues AV ~~XXX~~ FRONT  
 On which wheels Front ~~XXX~~ \_\_\_\_\_

804. Direction: a) Type RACK AND PINION  
 Steering: Type \_\_\_\_\_  
 b) Rapport 18.6:1  
 Ratio \_\_\_\_\_

c) Servo-assistance ~~XXX~~/non  
 Power assisted ~~XXX~~/no

**9. CARROSSERIE / BODYWORK**

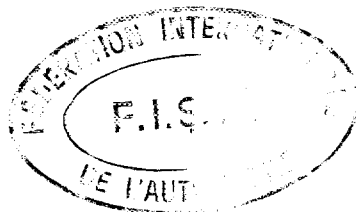
901. Intérieur: a) Ventilation oui/~~XXX~~  
 Interior: Ventilation yes/~~XXX~~  
 f) Toit ouvrant optionnel ~~XXX~~/non  
 Sun roof optional ~~XXX~~/no  
 f2) Système de commande  
 Command system \_\_\_\_\_

b) Chauffage oui/~~XXX~~  
 Heating yes/~~XXX~~  
 f1) Type \_\_\_\_\_  
 Type \_\_\_\_\_

g) Système d'ouverture des vitres latérales: AV/Front: MANUAL  
 Opening system for the side windows: AR/Rear: \_\_\_\_\_

902. Extérieur: a) Nombre de portes 2  
 Exterior: Number of doors \_\_\_\_\_  
 c) Matériau des portières:  
 Door material: \_\_\_\_\_

b) Hayon AR ~~XXX~~/non  
 Rear tailgate ~~XXX~~/no STEEL  
 AV/Front: \_\_\_\_\_  
 AR/Rear: \_\_\_\_\_



SVEBODA BROS...  
 THE...  
 [Signature]

Marque  
Make

SAAB

Modèle  
Model

99 SEDAN TURBO

N° Homol.

A-5005

- d) Matériau du capot AV  
Front bonnet material STEEL
- e) Matériau du capot/hayon AR  
Rear bonnet / tailgate material STEEL
- f) Matériau de la carrosserie  
Bodywork material STEEL
- g) Matériau du pare-brise  
Windscreen material LAMINATED GLASS
- h) Matériau de la lunette AR  
Rear window material TEMPERED GLASS
- i) Matériau des glaces de custode  
Rear quarter lights material TEMPERED GLASS
- k) Matériau des vitres latérales  
Side window material  
AV / Front TEMPERED GLASS  
AR / Rear TEMPERED GLASS
- l) Matériau du pare-choc avant  
Material of the front bumper PLASTIC, ALUMINIUM AND RUBBER
- m) Matériau du pare-choc arrière  
Material of the rear bumper PLASTIC, ALUMINIUM AND RUBBER

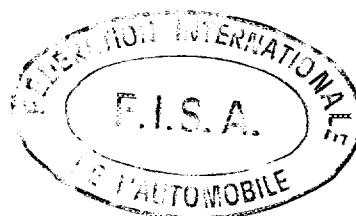
INFORMATIONS COMPLEMENTAIRES

COMPLEMENTARY INFORMATION

401 c Fuel tank material: Steel plate

605 b Final drive ratio: 5,17 4,86

c Final drive teeth number: 31/6 34/7



BYRONIA S.A. (BYRONIA) S.A.

BYRONIA S.A. (BYRONIA) S.A.

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Marque  
Make

SAAB

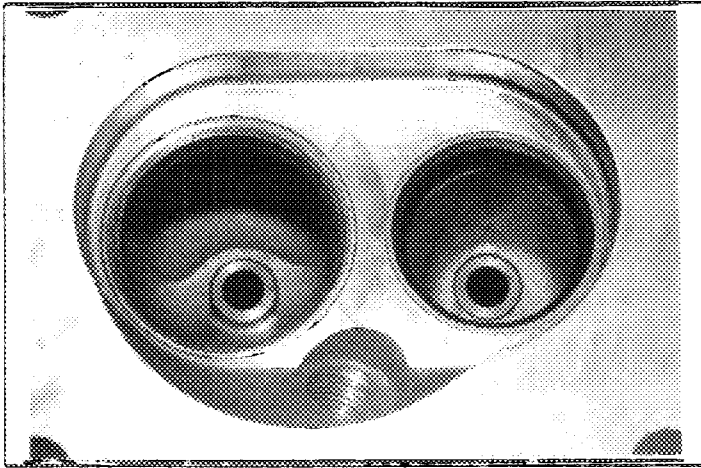
Modèle  
Model

99 SEDAN TURBO

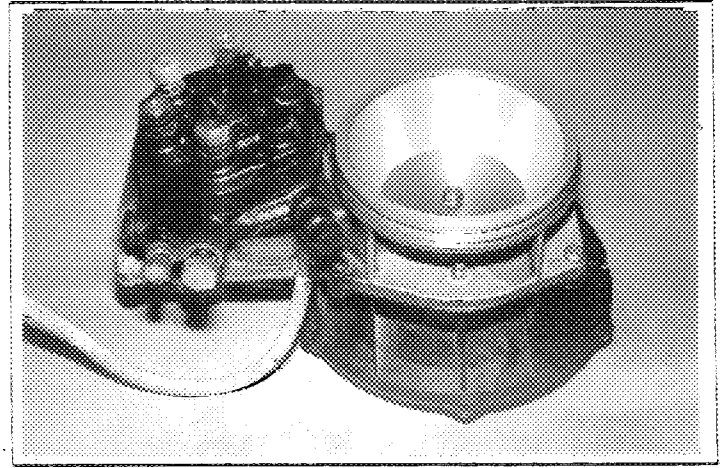
N° Homol.

A-5005

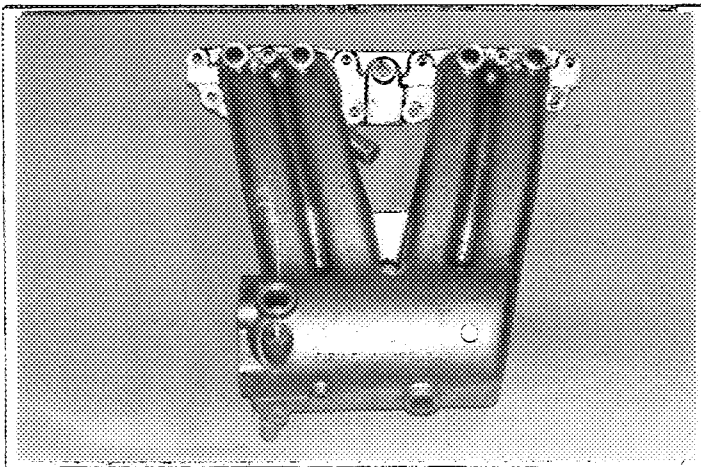
G) Chambre de combustion  
Combustion chamber



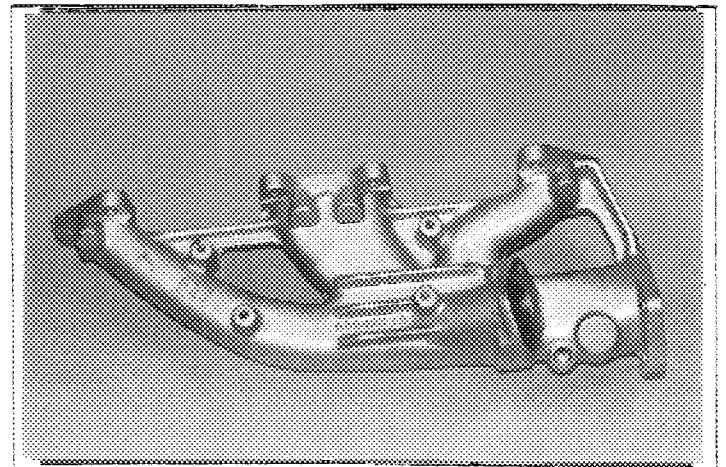
H) Carburateur(s) ou système d'injection  
Carburetor(s) or injection system



I) Collecteur d'admission  
Inlet manifold

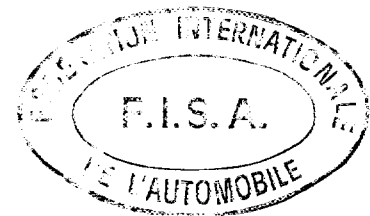
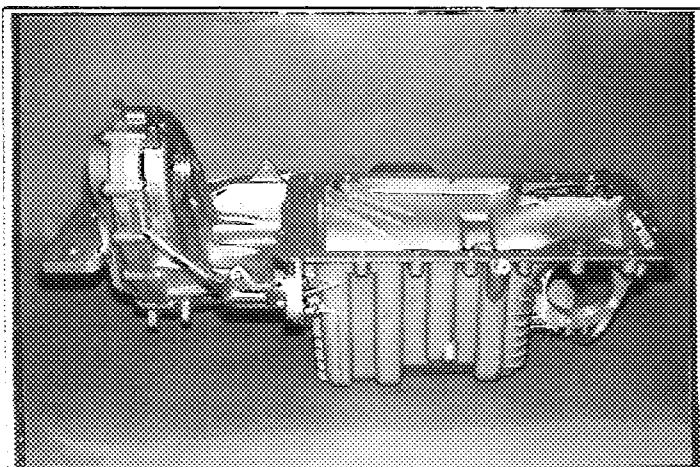


J) Collecteur d'échappement  
Exhaust manifold



Transmission / Transmission

S) Carter de boîte de vitesse et cloche d'embrayage  
Gearbox casing and clutch bellhousing



Stamp and signature area.

Marque  
Make

SAAB

Modèle  
Model

99 SEDAN TURBO

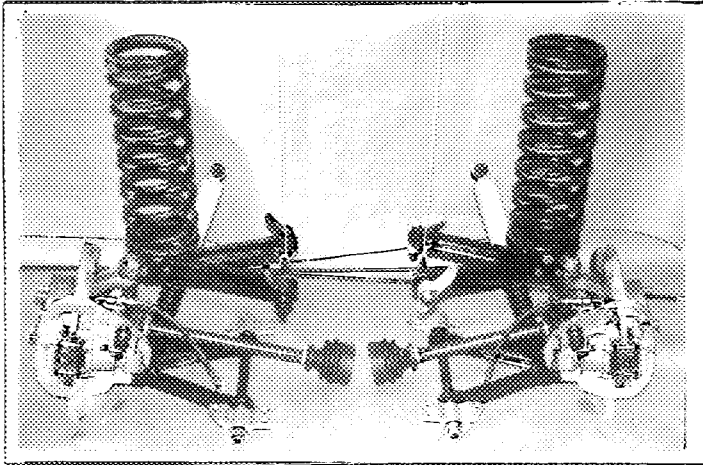
N° Homol.

A-5005

**Suspension / Suspension**

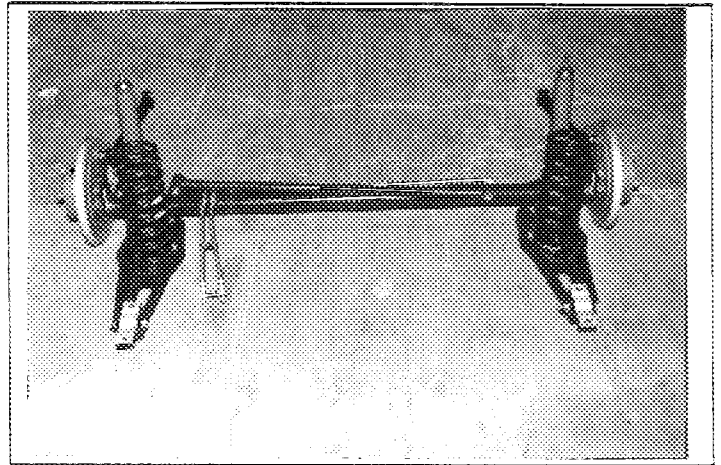
T) Train avant complet déposé

Complete dismantled front running gear



U) Train arrière complet déposé

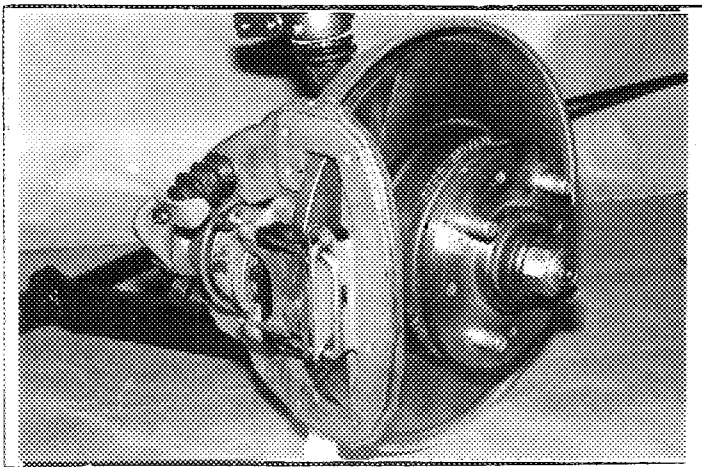
Complete dismantled rear running gear



**Train roulant / Running gear**

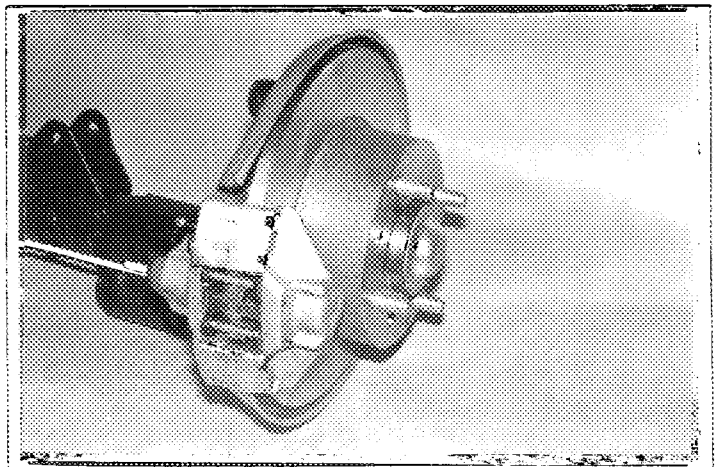
V) Freins avant

Front brakes



W) Freins arrière

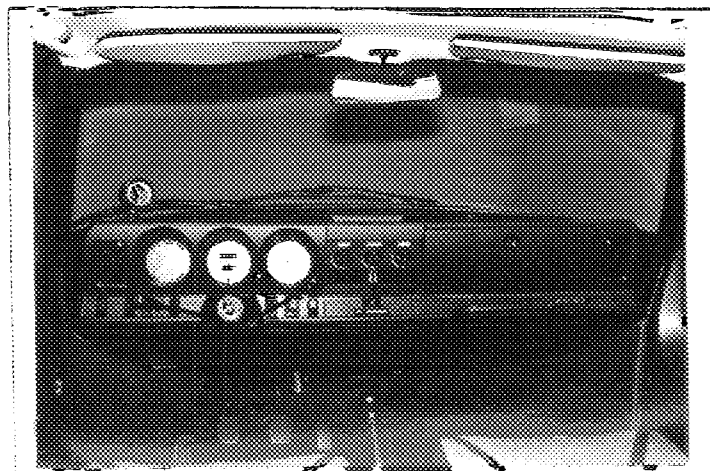
Rear brakes



**Carrosserie / Bodywork**

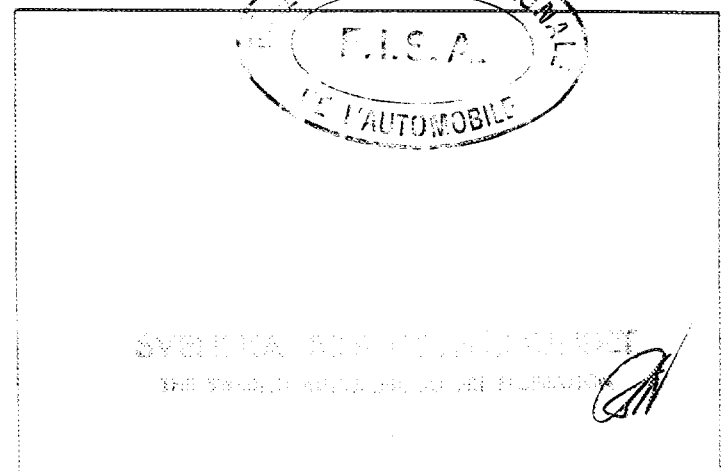
X) Tableau de bord

Dashboard



Y) Toit ouvrant

Sunroof



Marque  
Make

SAAB

Modèle  
Model

99 SEDAN TURBO

N° Homol.

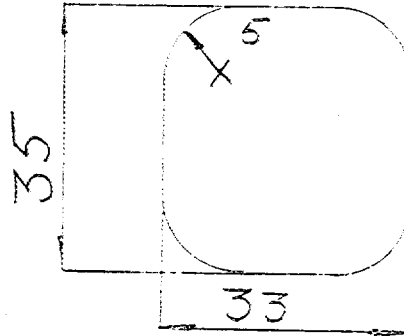
A-5005

DESSINS / DRAWINGS

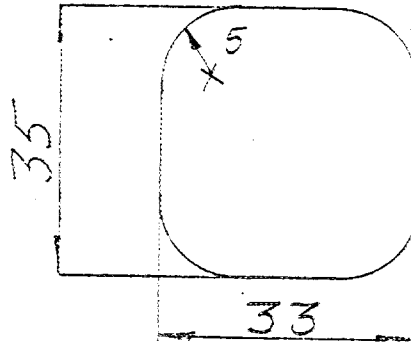
(Ports chamfered 1 mm 30°)

Moteur / Engine

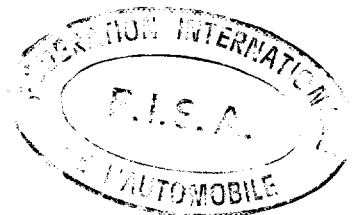
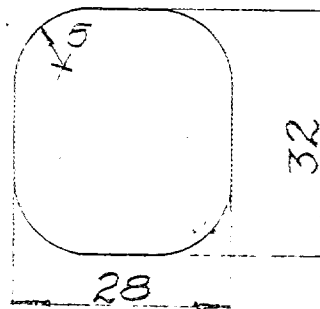
- I Orifices d'admission de la culasse, face collecteur (tolérances sur dimensions: -2%, +4%)  
Cylinderhead inlet ports, manifold side (tolerances on dimensions: -2%, +4%)



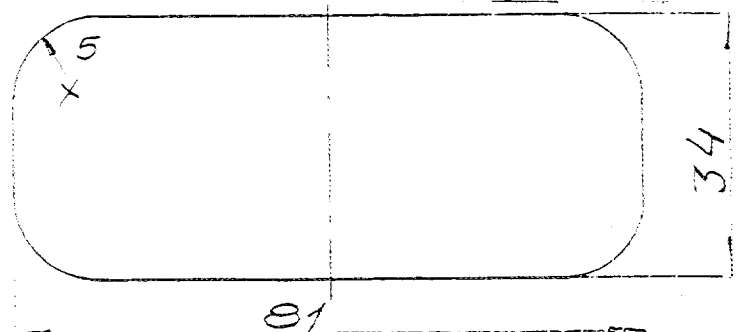
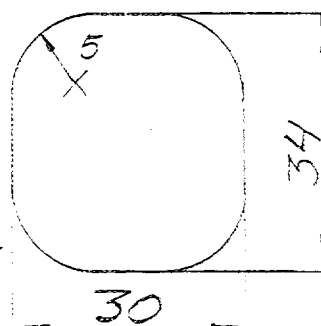
- II Orifices du collecteur d'admission, côté culasse (tolérances sur dimensions: -2%, +4%)  
Inlet manifold ports, cylinderhead side (tolerances on dimensions: -2%, +4%)



- III Orifices d'échappement de la culasse, face collecteur (tolérances sur dimensions: -2%, +4%)  
Cylinderhead exhaust ports, manifold side (tolerances on dimensions: -2%, +4%)



- IV Orifices du collecteur d'échappement, côté culasse (tolérances sur dimensions: -2%, +4%)  
Exhaust manifold ports, cylinderhead side (tolerances on dimensions: -2%, +4%)





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

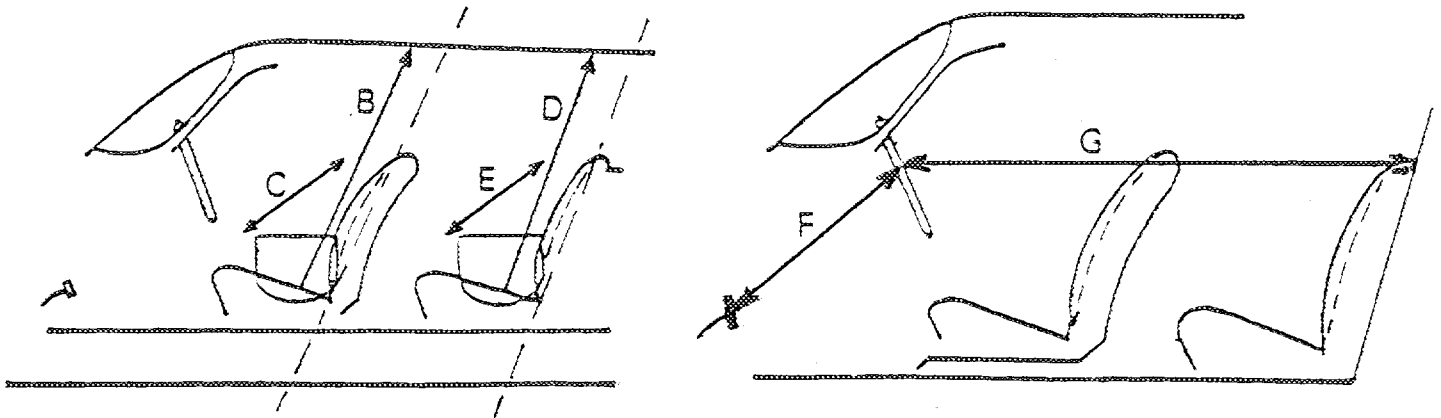
Homologation N°

**A-5005**

Groupe **A/B**  
Group

Marque SAAB Modèle 99 SEDAN TURBO  
Make \_\_\_\_\_ Model \_\_\_\_\_

Dimensions intérieures comme définies par le Règlement d'Homologation  
Interior dimensions as defined by the Homologation Regulations.



B (Hauteur sur sièges avant) (Height above front seats)	<u>970</u>	mm
C (Largeur aux sièges avant) (Width at front seats)	<u>1230</u>	mm
D (Hauteur sur sièges arrière) (Height above rear seats)	<u>930</u>	mm
E (Largeur aux sièges arrière) (Width at rear seats)	<u>1290</u>	mm
F (Volant — Pédale de frein) (Steering wheel — brake pedal)	<u>595</u>	mm
G (Volant — paroi de séparation arrière) (Steering wheel — rear bulkhead)	<u>1640</u>	mm
H = F+G = <u>2235</u>		mm



SVENSKA BILFÖRENINGEN  
Svevia 1906



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5005

Groupe  
Group **A/B**

FICHE D'HOMOLOGATION ADDITIONNELLE POUR MOTEURS SURALIMENTES PAR TURBOCOMPRESSEUR(S)  
ADDITIONAL HOMOLOGATION FORM FOR TURBO CHARGED ENGINES

Véhicule: Constructeur SAAB-SCANIA AB Modèle et type SAAB 99 SEDAN TURBO  
Vehicle: Manufacturer SAAB-SCANIA AB Model and type SAAB 99 SEDAN TURBO

Homologation valable à partir du - 1 FEV. 1982 en groupe A  
Homologation valid as from - 1 FEV. 1982 in group A

**334. Suralimentation**

a) Marque et type du compresseur

**Turbocharging**Make and type of the turbocharger GARRET AIRESEARCH TURBOCHARGER

b) Carter de turbine: b1) Nombre de pales b2) Pales fixes  Pales ajustables   
Turbine housing: Number of vanes - Fixed vanes Adjustable vanes  
b3) Nombre d'entrées des gaz d'échappement b4) Dimensions des entrées  
Number of exhaust gas entries 1 Dimensions of entries 44.7+3 x 57.2+2mm

c) Roue de turbine: c1) Matériau INCONELL  
Turbine wheel: Material  
c2) Nombre d'aubes c3) Diamètre extérieur à la sortie des gaz d'échappement 48.6+0.2 mm  
Number of blades 11 Outer diameter of exit of exhaust gas  
c4) Hauteur(s) d'une aube c5) Epaisseur d'une aube 1.2/0.6+0.4 mm  
Height(s) of blade 4.4/14.6+0.5 mm Thickness of blade

c6) Préciser les cotes A, B, C, D selon le schéma suivant:

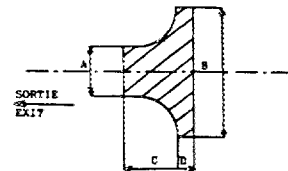
Indicate the dimensions A, B, C, D according to the following sketch:

A =  $\frac{48.6+0.2}{mm}$

B =  $\frac{58.9+0.5}{mm}$

C =  $\frac{15.0+0.5}{mm}$

D =  $\frac{11.3+0.5}{mm}$



d) Roue de compression: d1) Matériau LIGHT ALLOY  
Impeller wheel: Material  
d2) Nombre d'aubes d3) Diamètre extérieur à l'entrée d'air 46.4+0.2 mm  
Number of blades 6+6 Outer diameter at air intake  
d4) Hauteur(s) d'une aube d5) Epaisseur d'une aube 1.0/0.7+0.3 mm  
Height(s) of blade 0/11.0+0.5 mm Thickness of blade

d6) Préciser les cotes A, B, C, D selon le schéma suivant:

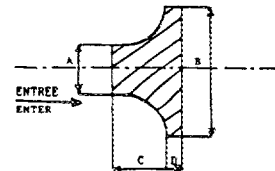
Indicate the dimensions A, B, C, D according to the following sketch:

A =  $\frac{46.4+0.2}{mm}$

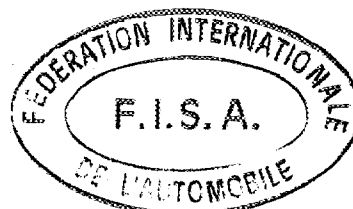
B =  $\frac{60.2+0.5}{mm}$

C =  $\frac{13.5+0.5}{mm}$

D =  $\frac{6.2+0.5}{mm}$



SVENSKA BILSPORTFÖRBUNDET  
THE SWEDISH AUTOMOBILE SPORT FEDERATION





e) Régulation de la pression:

Pressure regulation:

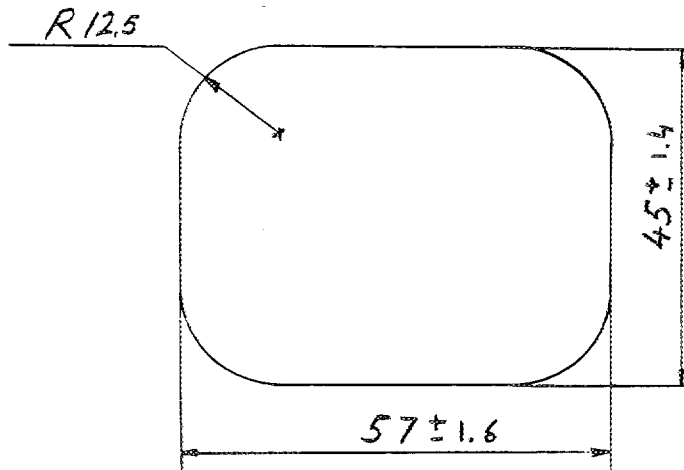
- e1) Type de régulation de la pression:  by-pass  soupape de décharge  autre cas  
 Type of pressure adjustment:  by-pass  relief valve  other case

e2) Préciser le type de la soupape  
 Indicate the type of the valve\* DISC VALVE

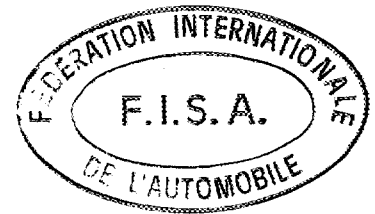
f) Système d'échappement:

Exhaust system:

- f1) Dimensions intérieures du tuyau d'échappement au niveau de sa jonction avec la turbine (dessin)  
 Internal dimensions of exhaust pipes at turbine connection (sketch)

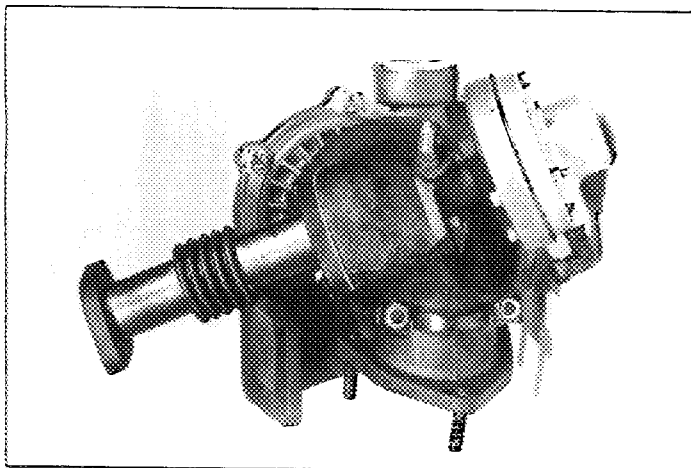


- g) Refroidissement de l'air d'admission:  oui/non  
 Cooling of intake air:  yes/no

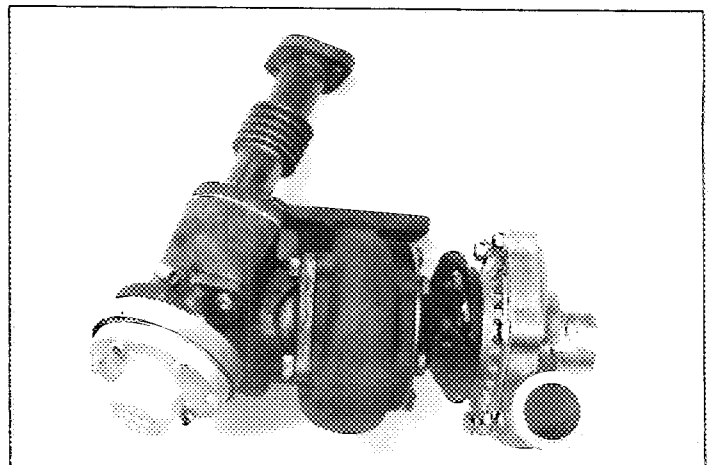


PHOTOS

K) Vue de dessus du compresseur  
 Plan view of compressor



L) Vue de face du compresseur  
 Front view of compressor



Marque  
Make

SAAB

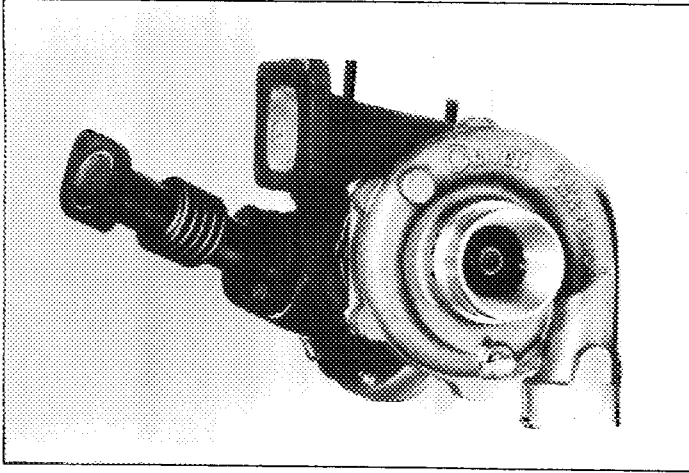
Modèle  
Model

99 SEDAN TURBO

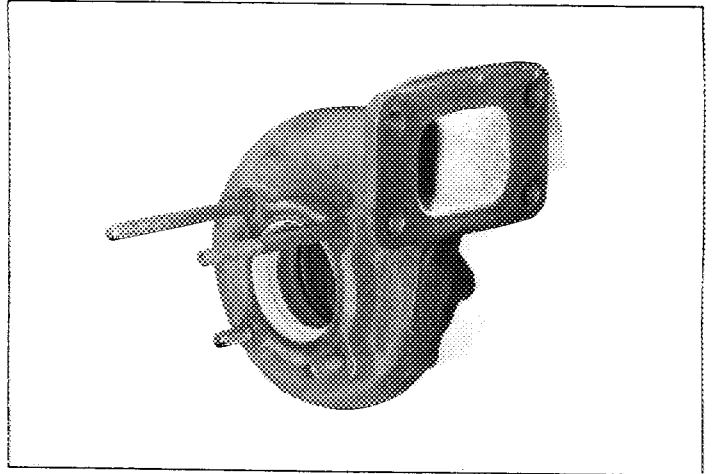
N° Homol.

A - 5005

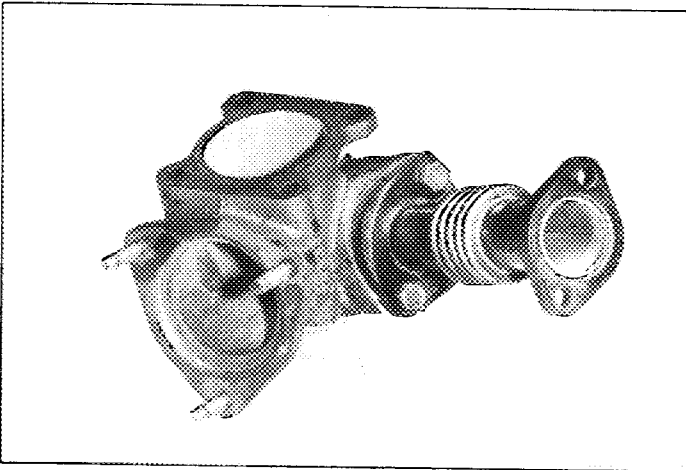
M) Vue de côté du compresseur  
Side view of compressor



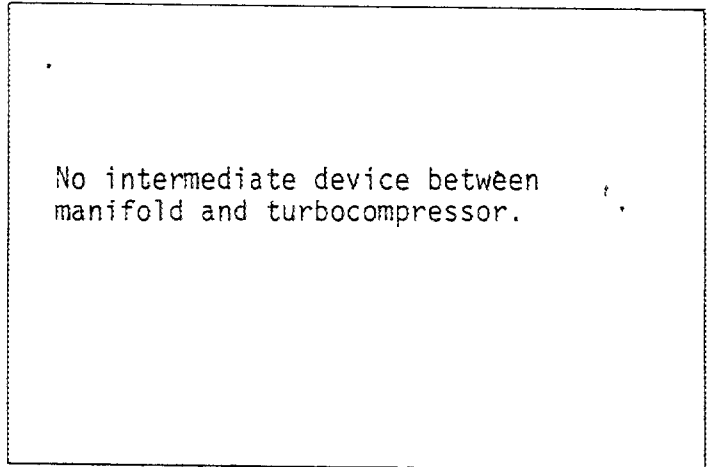
N) Carter de turbine du compresseur  
Turbine housing of compressor



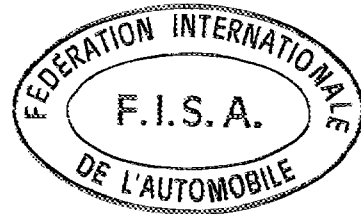
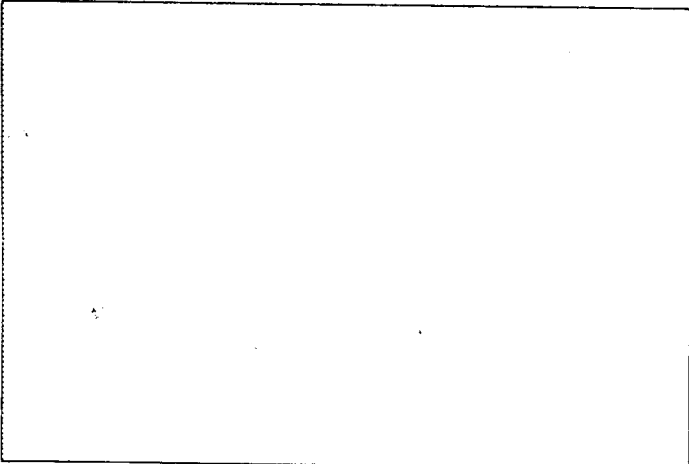
O) Soupape et montage du by-pass du compresseur  
Valve and by-pass installation of compressor



P) Echappement entre le collecteur et le turbocompresseur  
Exhaust between the manifold and the turbocompressor



Q) Echappement entre le turbocompresseur et l'atmosphère  
Exhaust between the turbocompressor and the atmosphere

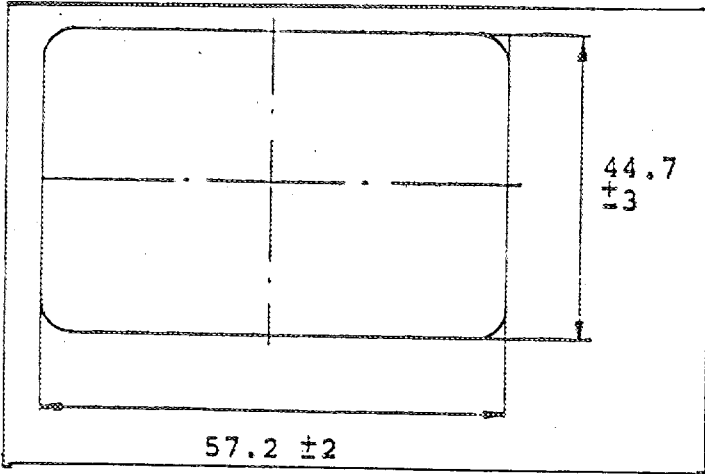


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THE SWEDISH AUTOMOBILE-SPORT FEDERATION

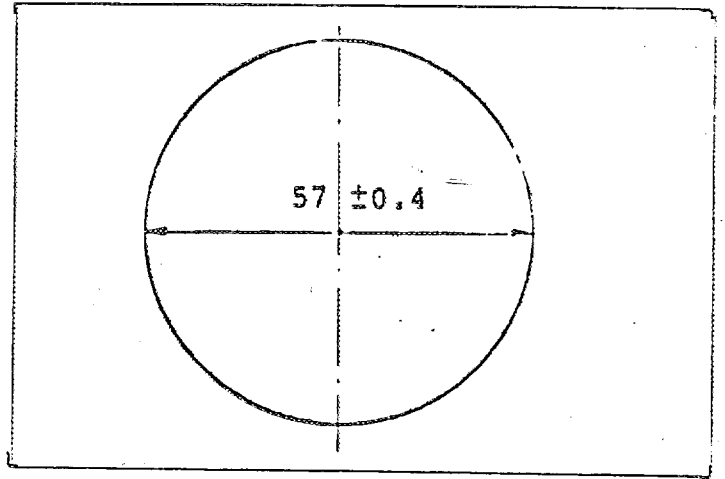
A handwritten signature in black ink, located at the bottom right of the page.

DESSINS / DRAWINGS

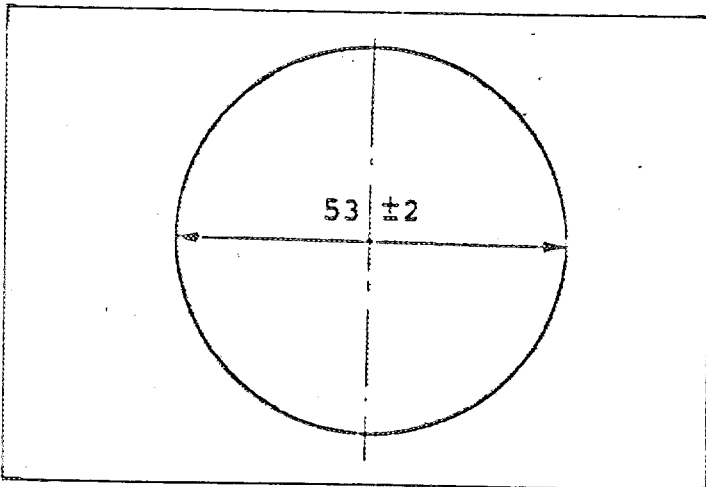
V) Entrée des gaz d'échappement dans la turbine du turbocompresseur  
Exhaust gas entry in the turbocompressor turbine



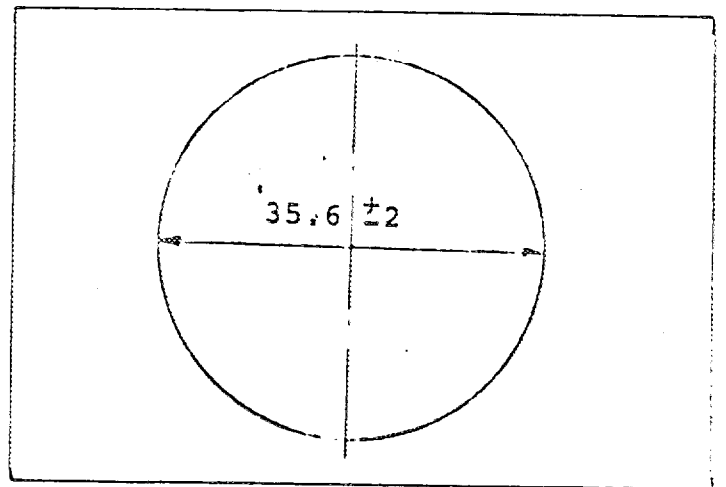
VI) Sortie des gaz d'échappement de la turbine de turbocompresseur  
Exhaust gas exit of the turbocompressor turbine



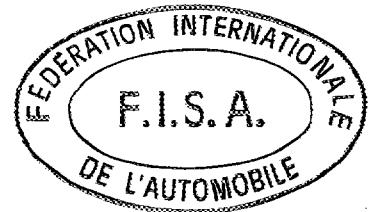
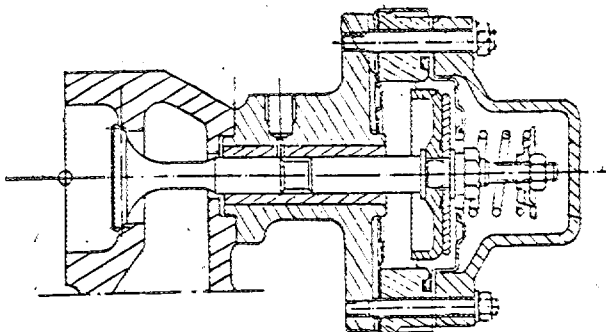
VII) Entrée de l'air (mélange) dans le carter de compression du compresseur.  
Air (gas) entry in the impeller housing of the compressor.



VIII) Sortie de l'air (mélange) du carter de compression du compresseur.  
Air (gas) exit of the impeller housing of the compressor.



IX. Dispositif réglant la pression de suralimentation  
Device regulating the turbocharging pressure.



SVENSKA BILSPORTFÖRBUNDET  
THE SWEDISH AUTOMOBILE SPORT FEDERATION



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A-5005

Extension N°

01 / 01 VO

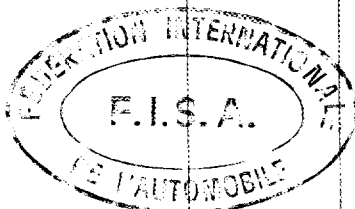
FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- ET Evolution normale du type: dès le numéro de châssis  
Normal evolution of the type: as from chassis number \_\_\_\_\_
- VF Variante de fourniture / Supply variant
- VO Variante option / Option variant
- ER Errata / Erratum

Homologation valable dès le \_\_\_\_\_ en groupe  
Homologation valid as from 1 FEV 1982 in group \_\_\_\_\_

Constructeur SAAB-SCANIA AB Modèle et type SAAB 99 Sedan Turbo  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description																																								
7	701	Strengthened upper wishbone	(Photo I)																																							
7	701	Strengthened lower wishbone	(Photo I)																																							
7	701	Strengthened rear axle	(Photo unchanged)																																							
9	804	Power steering (18,9:1)																																								
8	803	Brakes - Teves with rear handbrake	(Photo III and IV)																																							
		<table border="0"> <thead> <tr> <th></th> <th style="text-align: center;">Front</th> <th style="text-align: center;">Rear</th> </tr> </thead> <tbody> <tr> <td>e</td> <td style="text-align: center;">4</td> <td style="text-align: center;">2</td> </tr> <tr> <td>e1</td> <td style="text-align: center;">34 mm</td> <td style="text-align: center;">33 mm</td> </tr> <tr> <td>g1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> </tr> <tr> <td>g2</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> <tr> <td>g3</td> <td style="text-align: center;">Welded steel and cast iron</td> <td style="text-align: center;">Light alloy</td> </tr> <tr> <td>g4</td> <td style="text-align: center;">22,5 mm</td> <td style="text-align: center;">10,7 mm</td> </tr> <tr> <td>g5</td> <td style="text-align: center;">276 mm</td> <td style="text-align: center;">250 mm</td> </tr> <tr> <td>g6</td> <td style="text-align: center;">276 mm</td> <td style="text-align: center;">250 mm</td> </tr> <tr> <td>g7</td> <td style="text-align: center;">175 mm</td> <td style="text-align: center;">175 mm</td> </tr> <tr> <td>g8</td> <td style="text-align: center;">78 mm</td> <td style="text-align: center;">56 mm</td> </tr> <tr> <td>g9</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td>g10</td> <td style="text-align: center;">715 cm<sup>2</sup></td> <td style="text-align: center;">500 cm<sup>2</sup></td> </tr> </tbody> </table>		Front	Rear	e	4	2	e1	34 mm	33 mm	g1	2	2	g2	1	1	g3	Welded steel and cast iron	Light alloy	g4	22,5 mm	10,7 mm	g5	276 mm	250 mm	g6	276 mm	250 mm	g7	175 mm	175 mm	g8	78 mm	56 mm	g9	Yes	No	g10	715 cm <sup>2</sup>	500 cm <sup>2</sup>	
	Front	Rear																																								
e	4	2																																								
e1	34 mm	33 mm																																								
g1	2	2																																								
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g9	Yes	No																																								
g10	715 cm <sup>2</sup>	500 cm <sup>2</sup>																																								



Braking adjuster in passenger compartment (Photo VI, VII, VIII)

SAAB-SCANIA AB  
Fédération Internationale du Sport Automobile

Marque SAAB  
Make

Modele 99 Sedan Turbo  
Model

N° Homol. A-5005

N° Ext. 01/01V0

Page ou ext. Page or ext.	Art. Art.	Description Description
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Brakes - Lockheed with rear handbrake

(Photo V)

Front

e	4
e1	38 mm
g1	2
g2	1
g3	Light Alloy
g4	25,7 mm
g5	280 mm
g6	280 mm
g7	185 mm
g8	130 mm
g9	Yes
g10	695 cm <sup>2</sup>



SIGNATURE  
DE L'AGENT DE LA POLICE

Marque  
Make SAAB

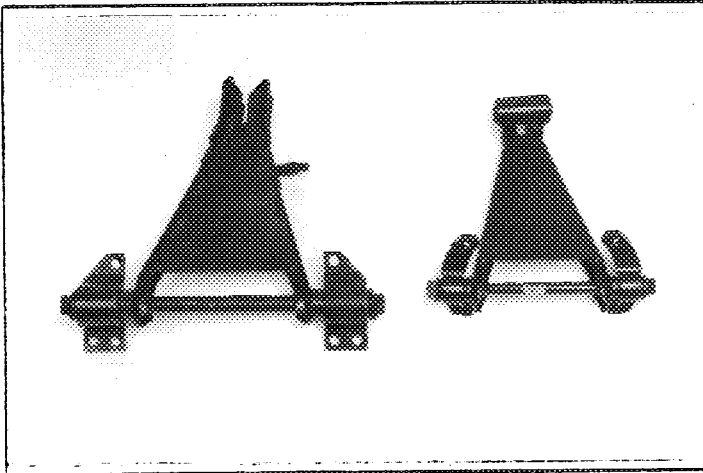
Modèle  
Model 99 Sedan Turbo

N° Homol. A-5005

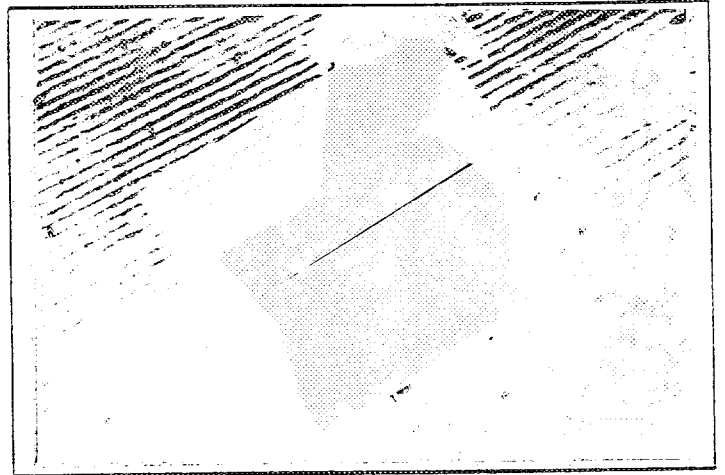
PHOTOS / PHOTOS

N° Ext. 01 / 01 V0

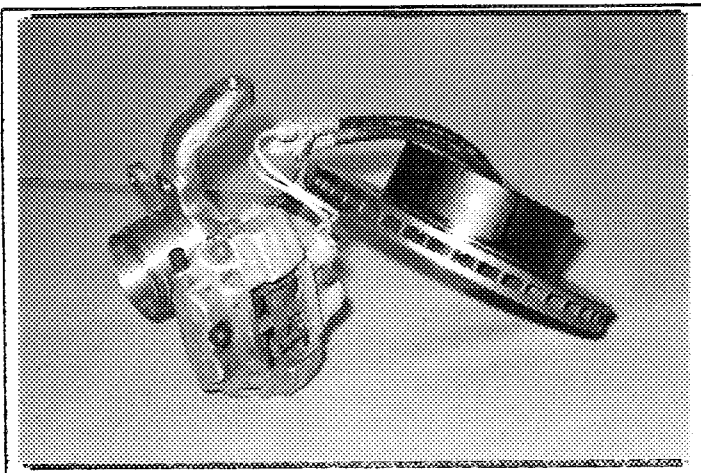
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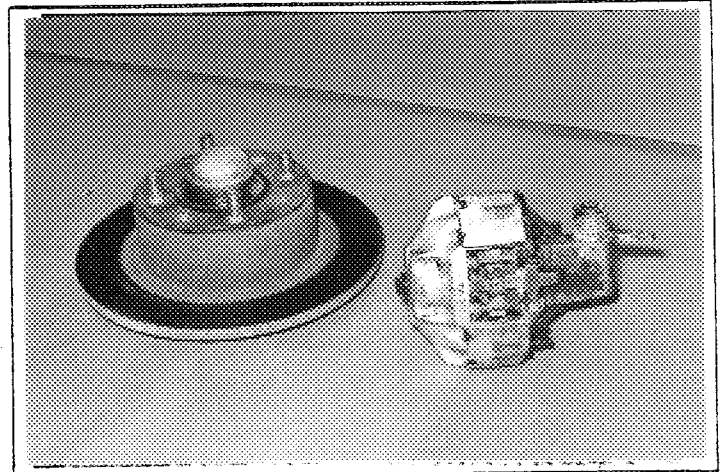
II



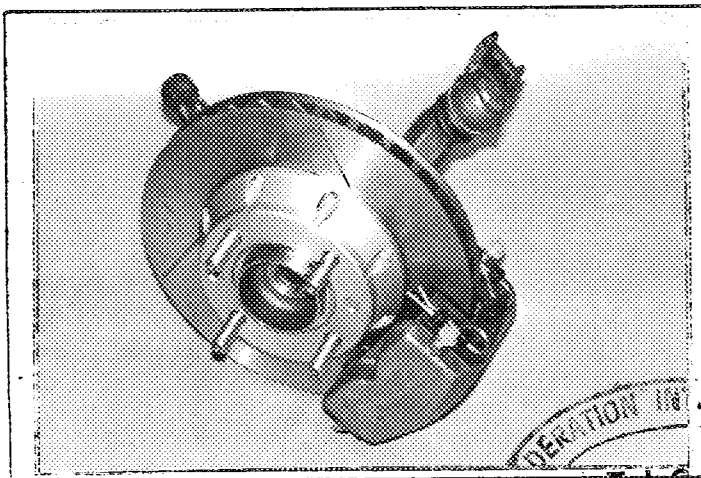
III



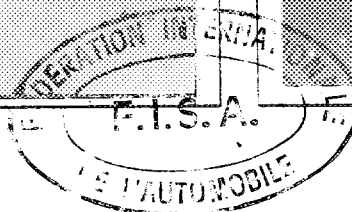
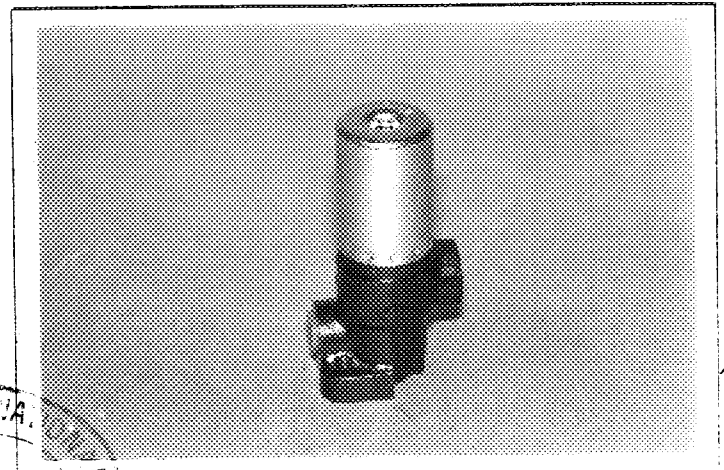
IV



V



VI



Signature and handwritten notes.

Marque SAAB  
Make \_\_\_\_\_

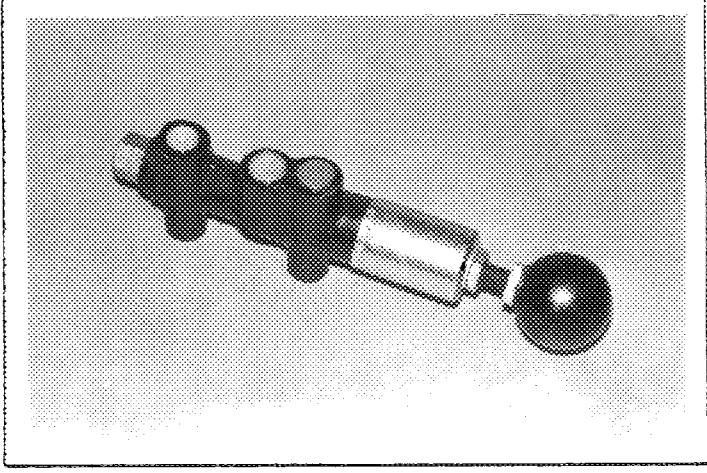
Modèle 99 Sedan Turbo  
Model \_\_\_\_\_

N° Homol. A-5005

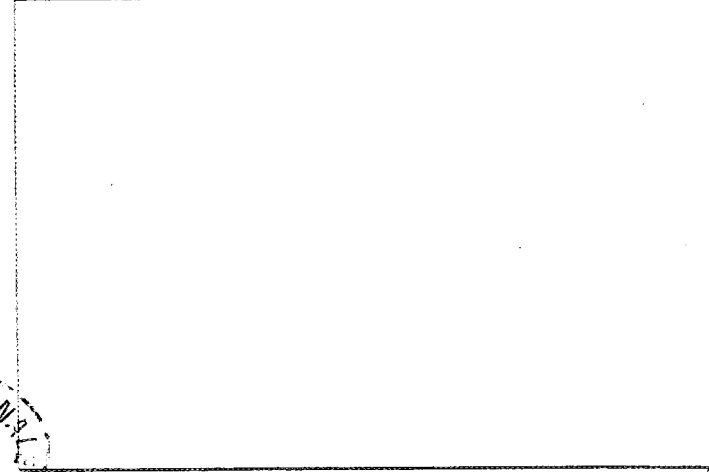
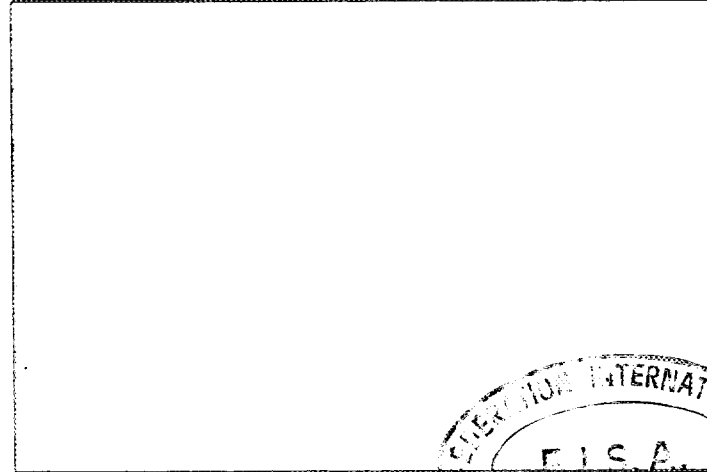
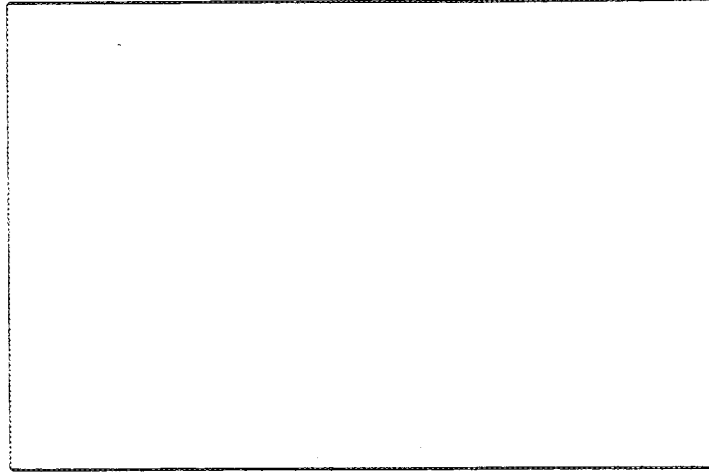
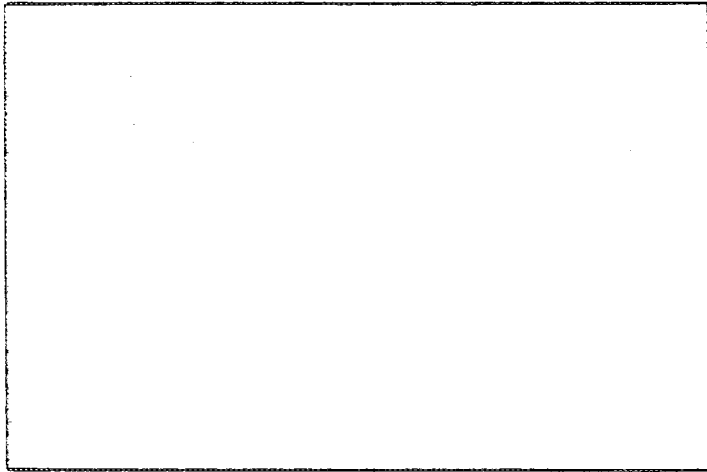
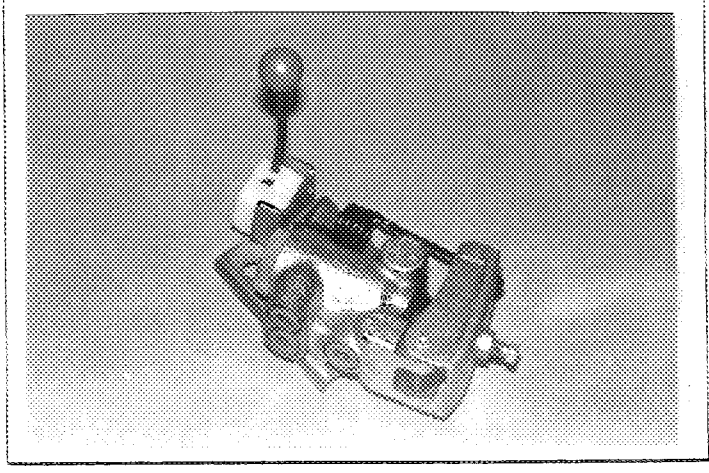
N° Ext. 01/0140

PHOTOS / PHOTOS

VII



VIII



SVENSKA MOTORFÖRBUNDET  
FÖRENINGEN SVENSKA BILKÖRARE  
*[Signature]*



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A-5005

Extension N°

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

02 / 02 V0

ET Evolution normale du type: dès le numéro de châssis  
Normal evolution of the type: as from chassis number \_\_\_\_\_

VF Variante de fourniture / Supply variant

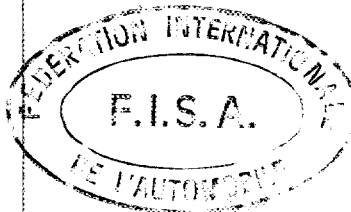
VO Variante option / Option variant

ER Errata / Erratum

Homologation valable dès le \_\_\_\_\_ en groupe  
Homologation valid as from -1.FEV.1982 in group \_\_\_\_\_

Constructeur SAAB-SCANIA AB Modèle et type SAAB 99 SEDAN TURBO  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
7	704	Anti-roll bar front (Photo I) Anti-roll bar rear (Photo II)



*[Signature]*  
SVEDESKA MOTORSPORTFORBUNDET  
Svejkvägen 10, S-141 86, Åkersberg, S-141 86, SWE



Marque SAAB  
Make \_\_\_\_\_

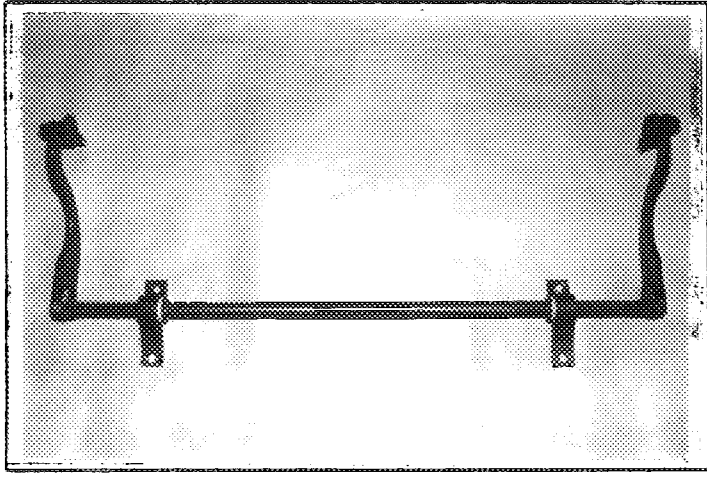
Modèle 99 SEDAN TURBO  
Model \_\_\_\_\_

N° Homol. A-5005

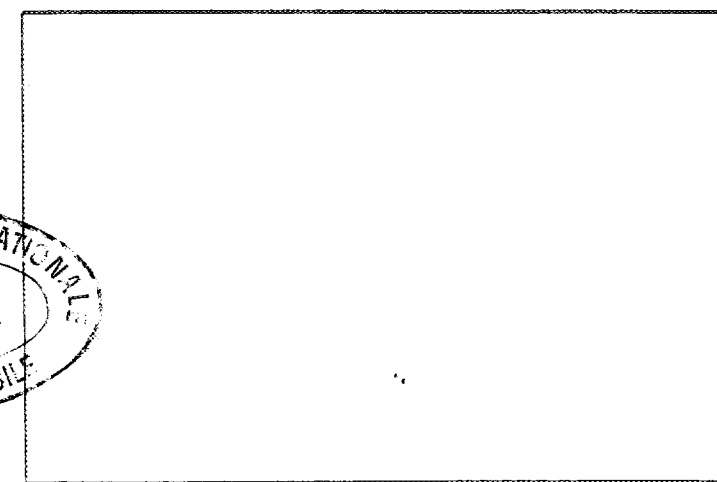
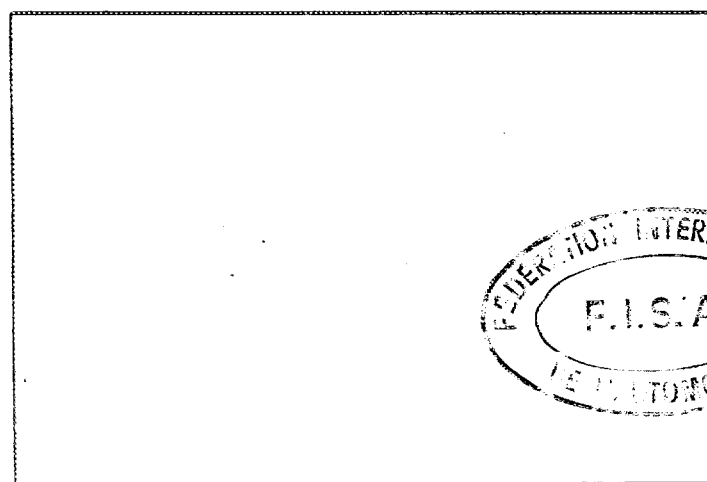
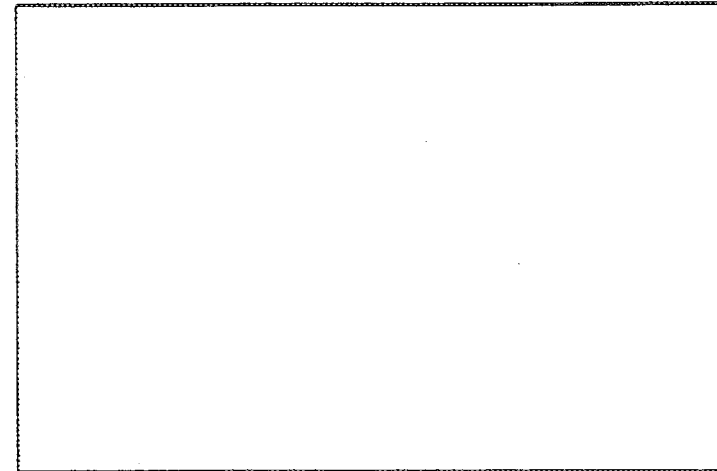
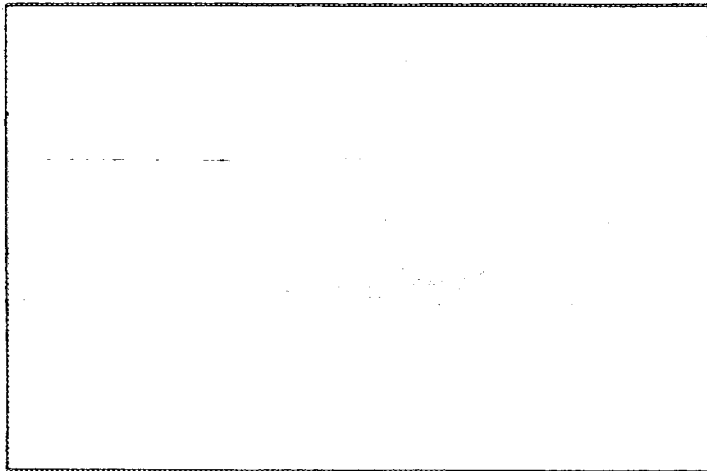
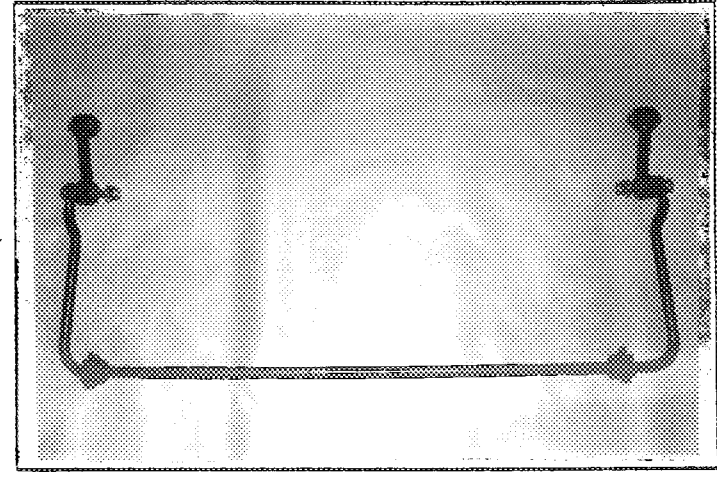
PHOTOS / PHOTOS

N° Ext. 02 / 0 < 40

I



II



FEDERATION INTERNATIONALE  
F.I.S.I.A.  
LE MOTOROBILE

SWITZERLAND  
The Swiss Motor Vehicle Association



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A-5005

Extension N°

03 / 03 VO

## FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- ET Evolution normale du type: dès le numéro de châssis  
Normal evolution of the type: as from chassis number \_\_\_\_\_
- VF Variante de fourniture / Supply variant
- VO Variante option / Option variant
- ER Errata / Erratum

Homologation valable dès le \_\_\_\_\_ en groupe  
Homologation valid as from -1.FEV.1982 in group \_\_\_\_\_

Constructeur SAAB-SCANIA AB Modèle et type SAAB 99 SEDAN TURBO  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
13 (8)	8 (Photo T+U)	Running gear - front (Photo I)
		Running gear - rear (Photo II)



Marque SAAB  
Make

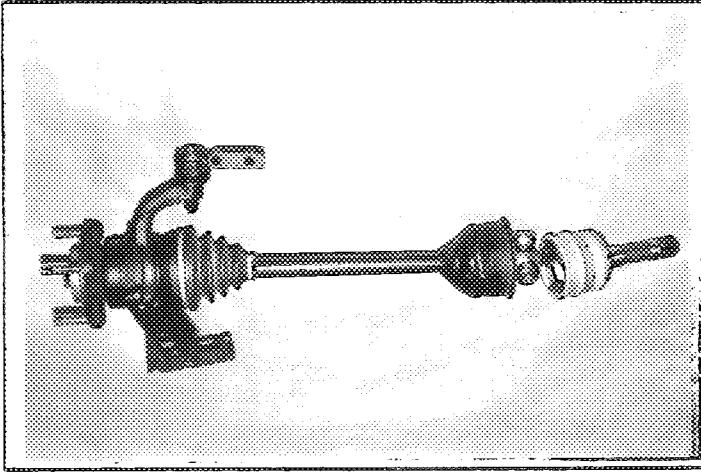
Modèle 99 SEDAN TURBO  
Model

N° Homol A-5005

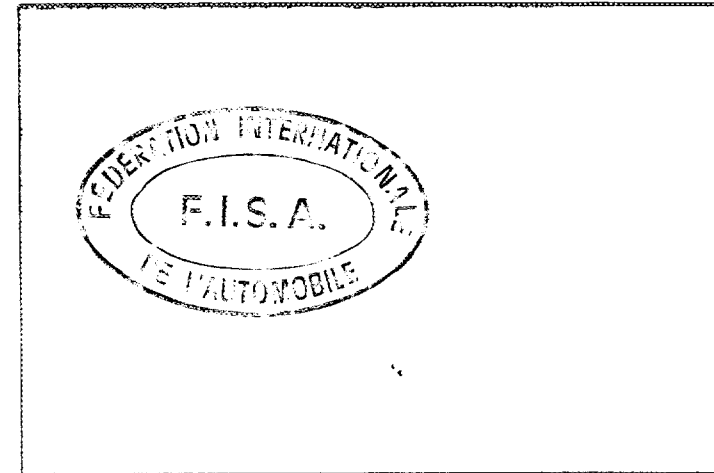
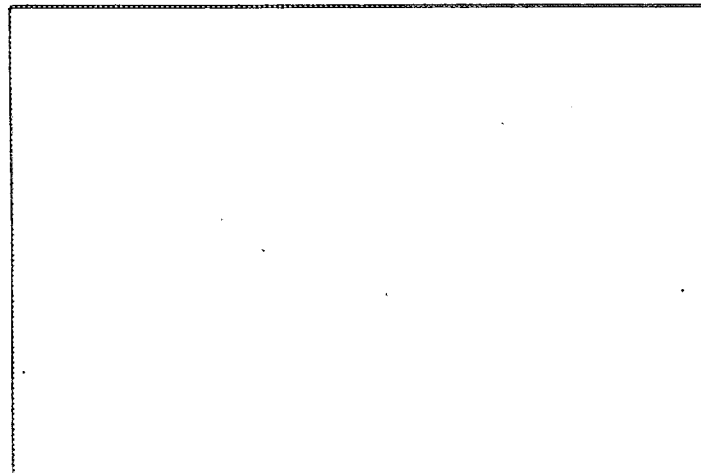
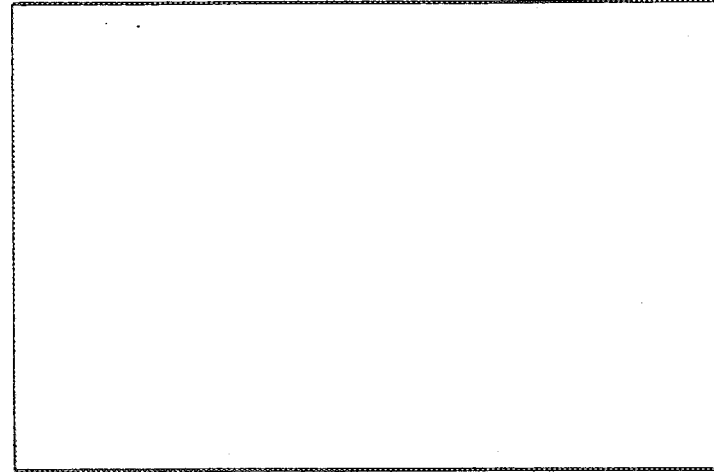
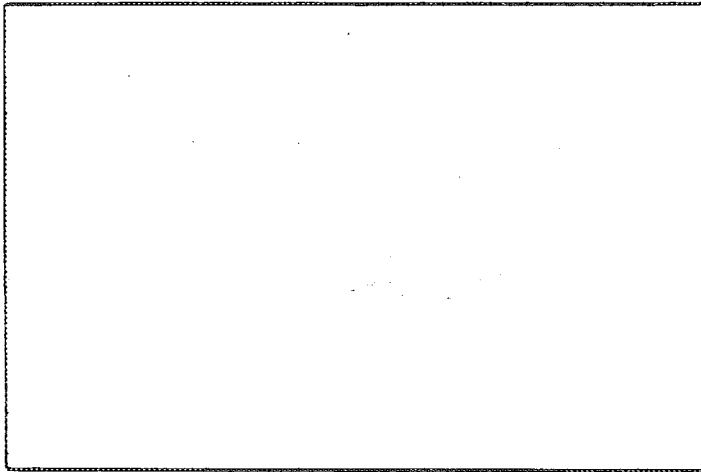
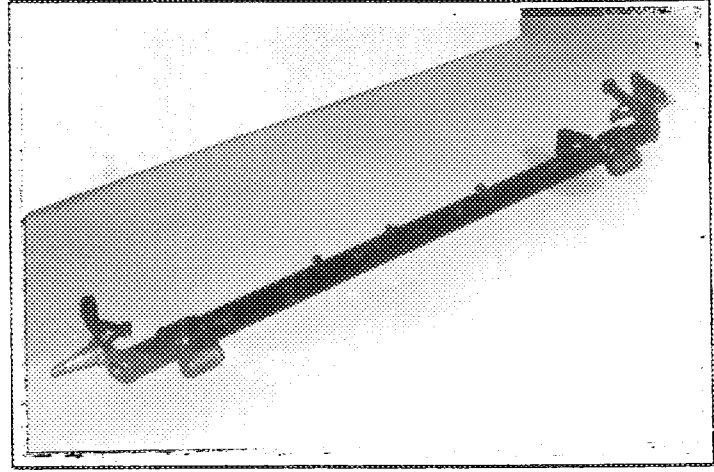
PHOTOS / PHOTOS

N° Ext. 03 / 03 V0

I



II





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A-5005

Extension N°

04 / 04 V0

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

ET Evolution normale du type: dès le numéro de châssis  
Normal evolution of the type: as from chassis number \_\_\_\_\_

VF Variante de fourniture / Supply variant

VO Variante option / Option variant

ER Errata / Erratum

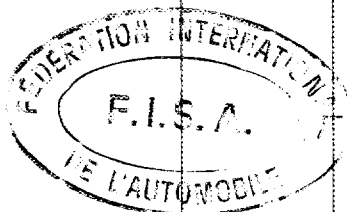
Homologation valable dès le -1 FEV.1982  
Homologation valid as from \_\_\_\_\_

en groupe  
in group \_\_\_\_\_

Constructeur SAAB-SCANIA AB  
Manufacturer \_\_\_\_\_

Modèle et type SAAB 99 SEDAN TURBO  
Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description																																																																																
8	803	Brakes																																																																																
		<table border="0" style="width: 100%;"> <tr> <td></td> <td style="text-align: center;">Front</td> <td style="text-align: center;">Rear</td> </tr> <tr> <td></td> <td style="text-align: center;">(Photo I)</td> <td style="text-align: center;">(Photo II)</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">(Photo III)</td> </tr> </table>		Front	Rear		(Photo I)	(Photo II)			(Photo III)																																																																							
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		<table border="0" style="width: 100%;"> <tr> <td>e</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td>e 1</td> <td>54 mm</td> <td>54 mm</td> <td>27 mm</td> </tr> <tr> <td>g 1</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>g 2</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td>g 3</td> <td colspan="2">Welded steel and cast iron</td> <td>Welded steel and cast iron</td> </tr> <tr> <td>g 4</td> <td>22.5 mm</td> <td>20 mm</td> <td>9 mm</td> </tr> <tr> <td>g 5</td> <td>276 mm</td> <td>276 mm</td> <td>266 mm</td> </tr> <tr> <td>g 6</td> <td>276 mm</td> <td>276 mm</td> <td>265 mm</td> </tr> <tr> <td>g 7</td> <td>177 mm</td> <td>177 mm</td> <td>195 mm</td> </tr> <tr> <td>g 8</td> <td>76 mm</td> <td>76 mm</td> <td>56.5 mm</td> </tr> <tr> <td>g 9</td> <td>Yes</td> <td>Yes</td> <td>No</td> </tr> <tr> <td>g 10</td> <td>704.5 cm<sup>2</sup></td> <td>704.5 cm<sup>2</sup></td> <td>506 cm<sup>2</sup></td> </tr> <tr> <td>h 3</td> <td colspan="3">Rear</td> </tr> <tr> <td></td> <td colspan="3">Braking adjuster in passenger compartment (Photo VI, VII, VIII)</td> </tr> <tr> <td></td> <td colspan="3" style="text-align: center;"> <u>Master cylinder</u> (Photo IV)         </td> </tr> <tr> <td></td> <td>b</td> <td colspan="2">2</td> </tr> <tr> <td></td> <td>b 1</td> <td colspan="2">19.0 - 17.7 mm/17.7 - 15.8 mm</td> </tr> <tr> <td></td> <td colspan="3" style="text-align: center;"> <u>Handbrake</u> (Photo V)         </td> </tr> <tr> <td></td> <td>h 1</td> <td colspan="2">Hydraulic</td> </tr> <tr> <td></td> <td>h 3</td> <td colspan="2">Rear</td> </tr> </table>	e	1	1	1	e 1	54 mm	54 mm	27 mm	g 1	2	2	2	g 2	1	1	1	g 3	Welded steel and cast iron		Welded steel and cast iron	g 4	22.5 mm	20 mm	9 mm	g 5	276 mm	276 mm	266 mm	g 6	276 mm	276 mm	265 mm	g 7	177 mm	177 mm	195 mm	g 8	76 mm	76 mm	56.5 mm	g 9	Yes	Yes	No	g 10	704.5 cm <sup>2</sup>	704.5 cm <sup>2</sup>	506 cm <sup>2</sup>	h 3	Rear				Braking adjuster in passenger compartment (Photo VI, VII, VIII)				<u>Master cylinder</u> (Photo IV)				b	2			b 1	19.0 - 17.7 mm/17.7 - 15.8 mm			<u>Handbrake</u> (Photo V)				h 1	Hydraulic			h 3	Rear	
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	h 1	Hydraulic																																																																																
	h 3	Rear																																																																																



Signature and official stamp area

Marque SAAB  
Make

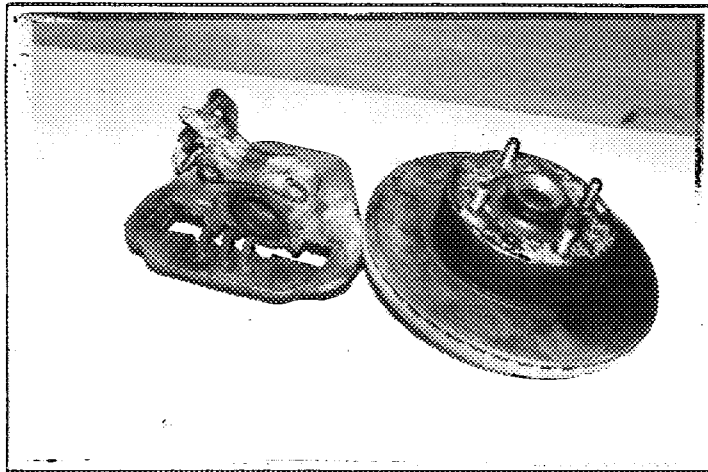
Modèle 99 SEDAN TURBO  
Model

N° Homol. A-5005

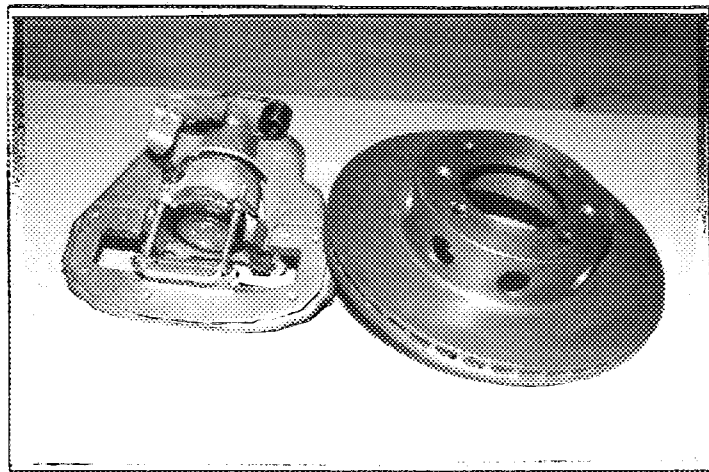
PHOTOS / PHOTOS

N° Ext. 04 / 04 V0

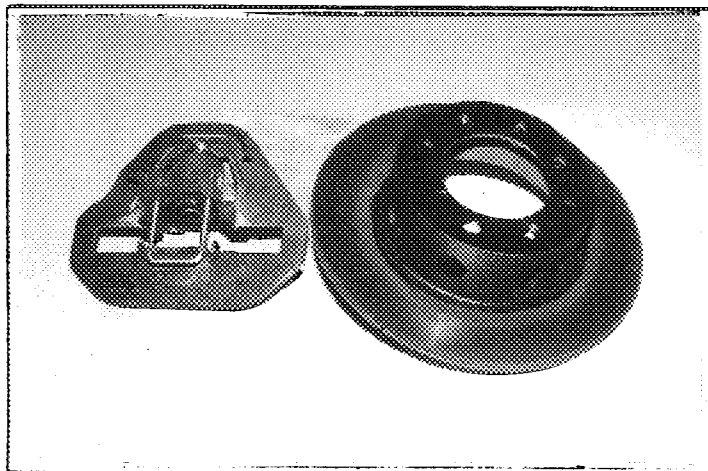
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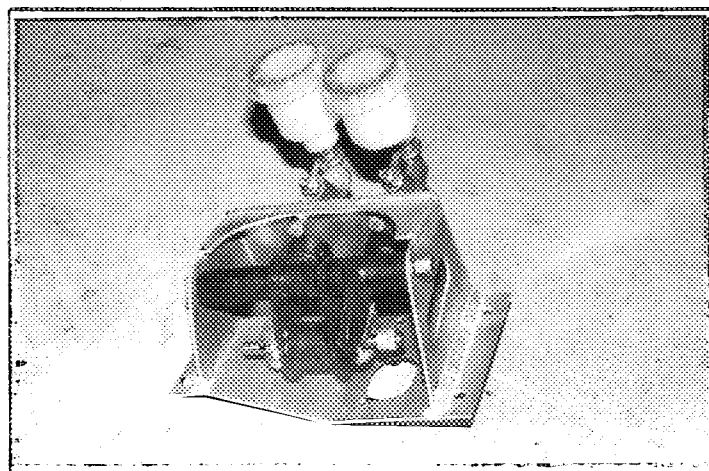
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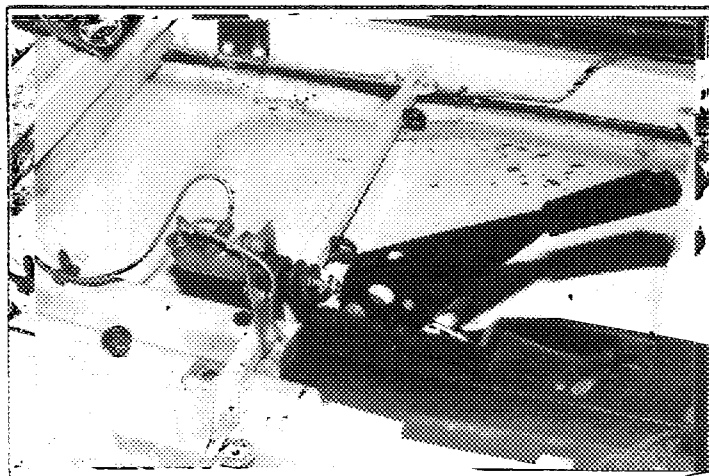
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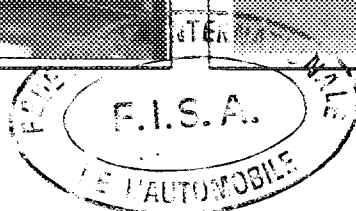
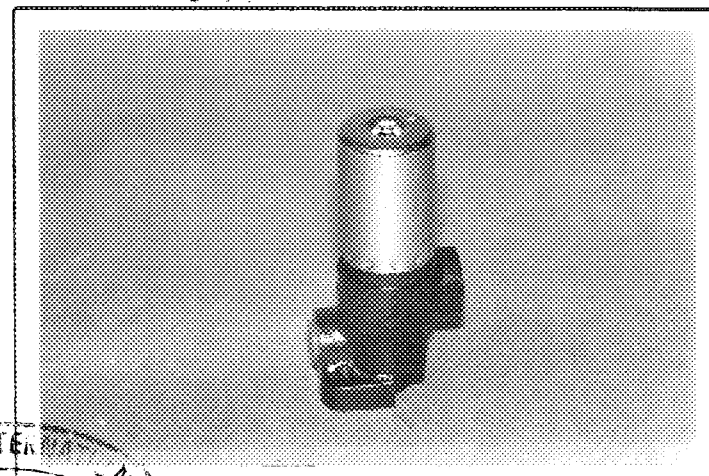
IV



V



VI



Marque  
Make

SAAB

Modèle  
Model

99 Sedan Turbo

N° Homol.

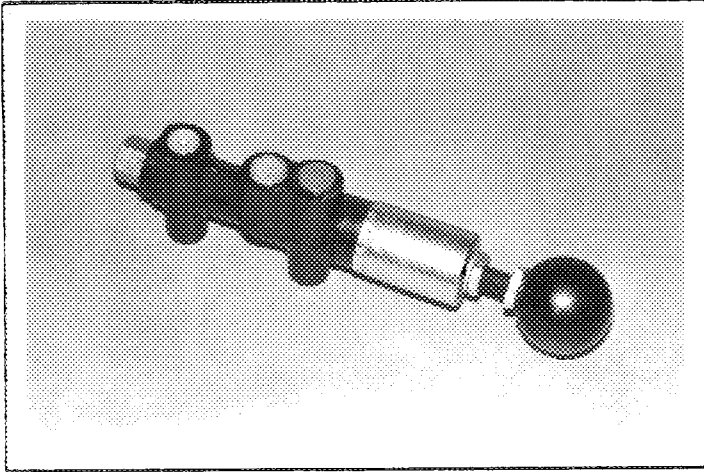
~~A-5005~~

PHOTOS / PHOTOS

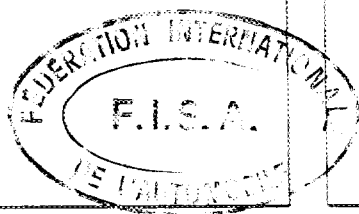
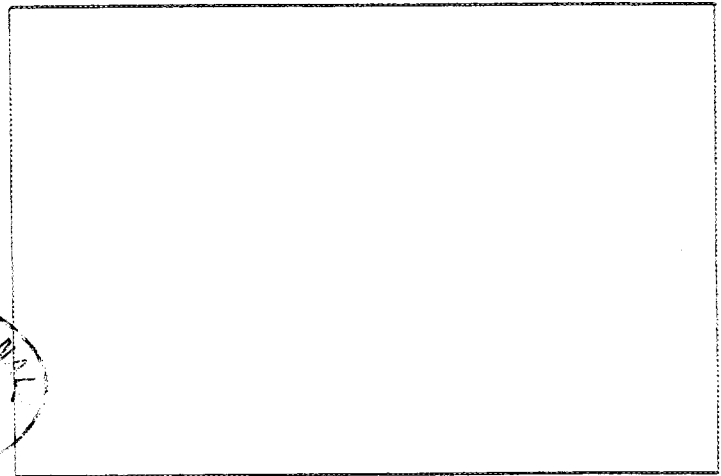
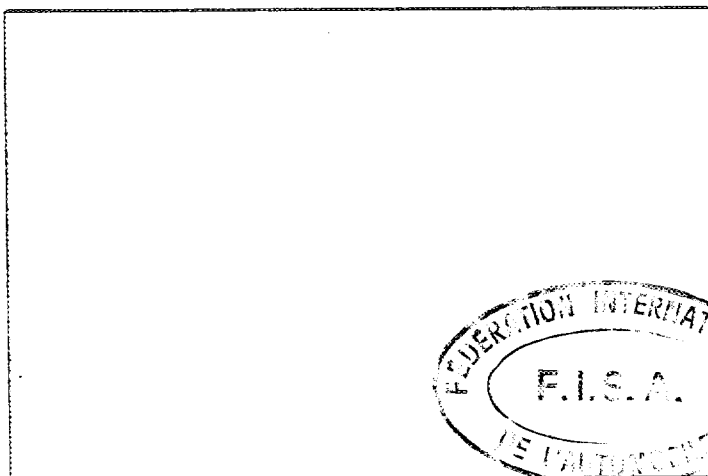
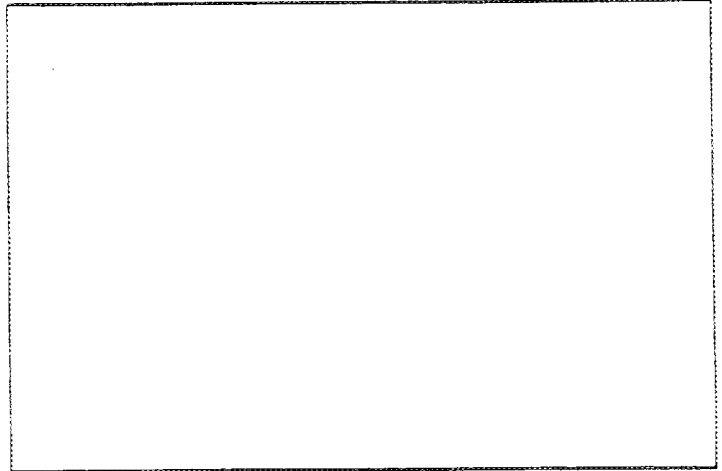
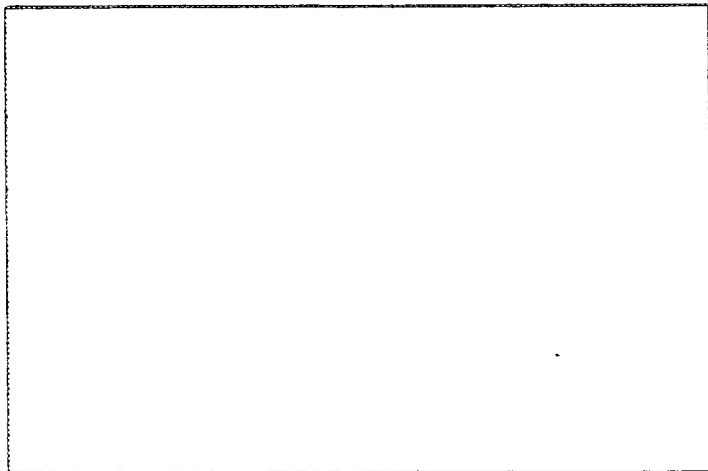
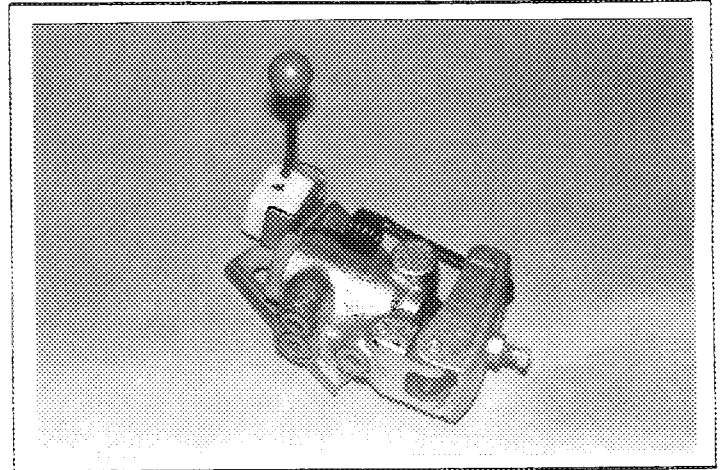
N° Ext.

~~04/04V0~~

VII



VIII



Signature of the official  
Date of the test



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A-5005

Extension N°

05 / 05 VO

## FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

ET Evolution normale du type: dès le numéro de châssis  
Normal evolution of the type: as from chassis number \_\_\_\_\_

VF Variante de fourniture / Supply variant

VO Variante option / Option variant

ER Errata / Erratum

Homologation valable dès le  
Homologation valid as from \_\_\_\_\_

-1 FEV 1982

en groupe  
in group \_\_\_\_\_

Constructeur  
Manufacturer SAAB-SCANIA AB

Modèle et type  
Model and type SAAB 99 SEDAN TURBO

Page ou ext. Page or ext.	Art. Art.	Description Description
5	401	Safety tank (Photo I and II) b Luggage compartment c Rubber - Marston (aluminium cover) d 70 1



SECRETARIAT INTERNATIONAL  
100, AVENUE DE LA LIBERTE, 92110 CLAMART CEDEX

Marque SAAB  
Make

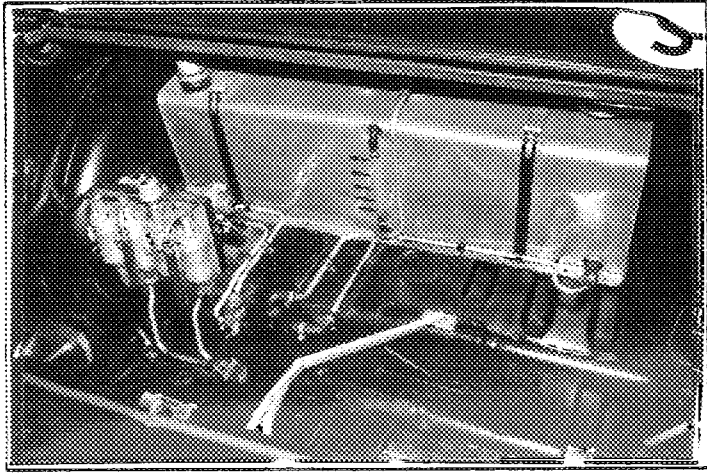
Modèle 99 SEDAN TURBO  
Model

N° Homol. A-5005

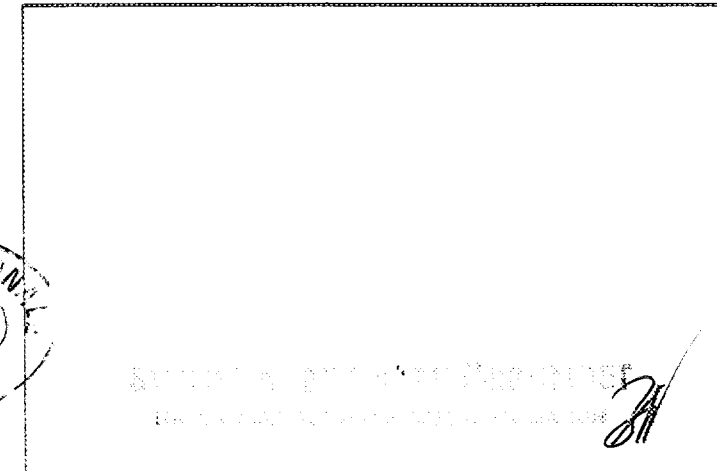
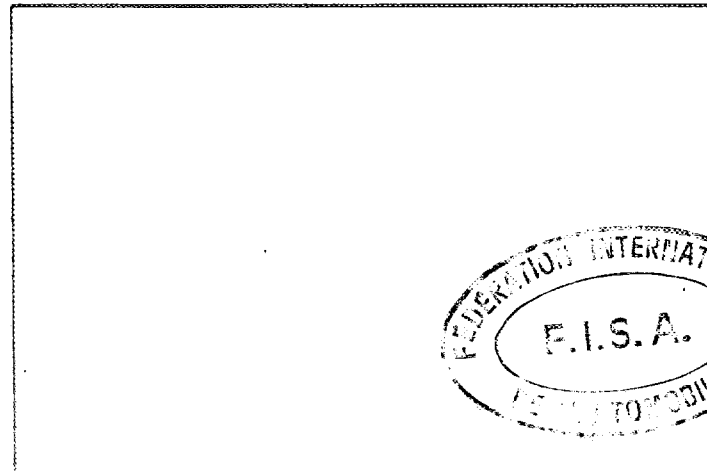
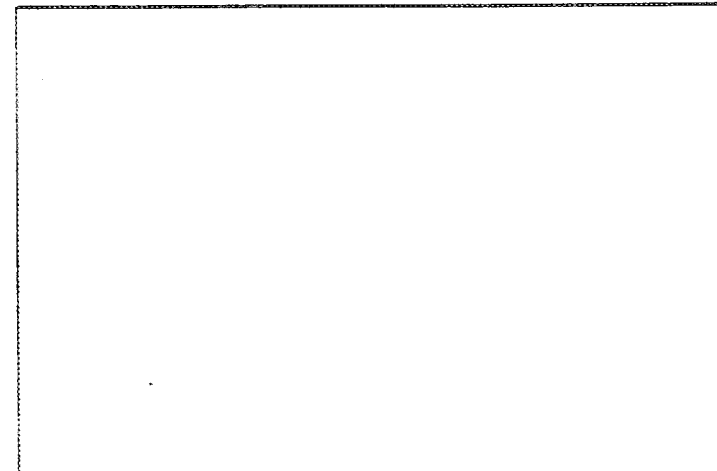
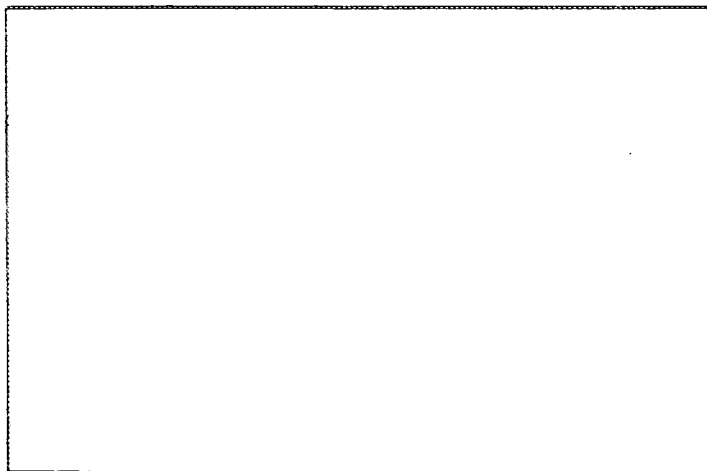
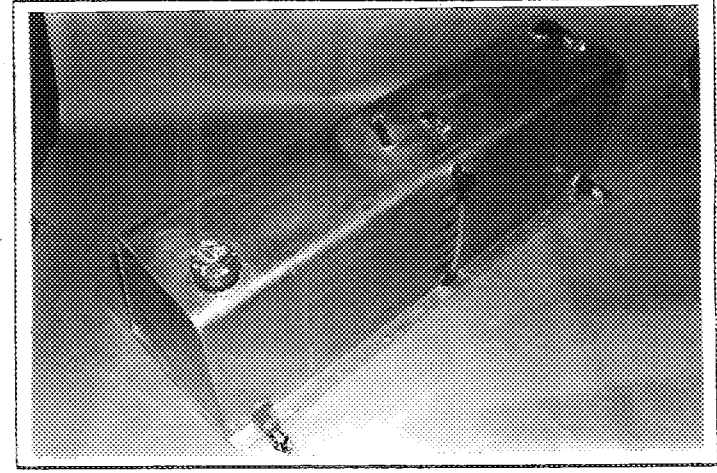
PHOTOS / PHOTOS

N° Ext. 05 / 05 VO

I



II







# FÉDÉRATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A-5005

Extension N°

06 / 06 VO

FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

VO Variante option / Option variant

Homologation valable dès le  
Homologation valid as from

-1.FEV.1982

en groupe  
in group

Constructeur  
Manufacturer

SAAB-SCANIA AB

Modele et type  
Model and type

SAAB 99 Sedan Turbo

## ARCEAU/CAGE DE SECURITE

## ROLLBAR/ROLLCAGE

Arceau principal	Entretoise	Arceau avant
Main rollbar	longitudinale/diagonale	Front rollbar
	Longitudinal/diagonal	strut
	strut	

Materiau  
Material

AlSiNgMn

= / =

=

Diamètre extérieur  
Exterior diameter

38 mm

= mm / = mm

= mm

Epaisseur de paroi  
Wall thickness

3,25 mm

= mm / = mm

= mm

Limite élastique  
Elastic limit

27 kg/mm<sup>2</sup>= kg/mm<sup>2</sup> / = kg/mm<sup>2</sup>= kg/mm<sup>2</sup>

Résistance à la traction  
Tensile strength

31 kg/mm<sup>2</sup>= kg/mm<sup>2</sup> / = kg/mm<sup>2</sup>= kg/mm<sup>2</sup>

Nous attestons que le présent arceau/la présente cage de sécurité répond aux dispositions de l'Annexe J de la FIA, en particulier en ce qui concerne ses implantations, ses connexions et les résistances aux contraintes.

We certify that.....

.....  
.....

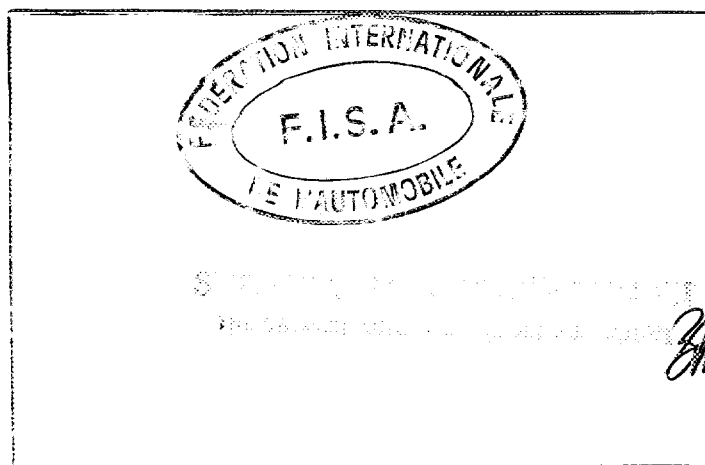
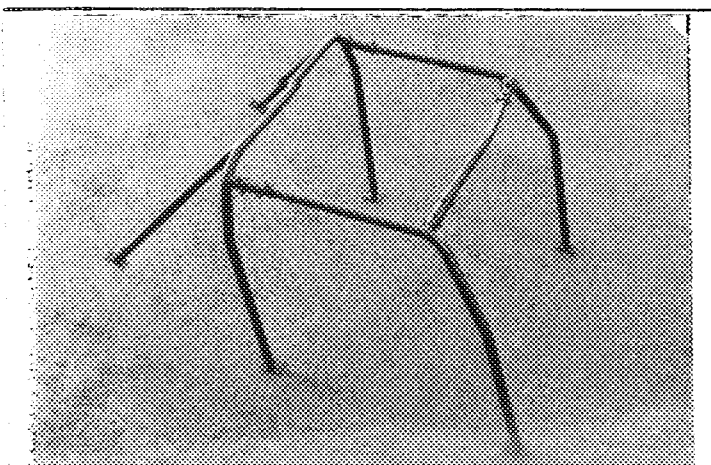
Signature du constructeur du véhicule  
Signature of the car manufacturer

... Gunnar Larsson ...  
Director of engineering

Weight 12 kg

Arceau/cage complet(e) hors de la voiture

Arceau/cage installé(e) dans la voiture





# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5005

Extension N°

07 / 01 VF

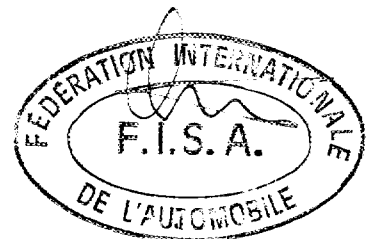
FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- ET Evolution normale du type: dès le numéro de châssis  
Normal evolution of the type: as from chassis number \_\_\_\_\_
- VF Variante de fourniture / Supply variant
- VO Variante option / Option variant
- ER Errata / Erratum

Homologation valable dès le \_\_\_\_\_ -1. Avr. 1982 \_\_\_\_\_ en groupe  
Homologation valid as from \_\_\_\_\_ in group \_\_\_\_\_

Constructeur SAAB-SCANIA AB Modèle et type SAAB 99 SEDAN TURBO  
Manufacturer \_\_\_\_\_ Model and type \_\_\_\_\_

Page ou ext. Page or ext.	Art. Art.	Description Description
1	Photo A	US-front (Photo I)



STYCKNA BILAGEN OCH NOTIS  
TEK. OCH SÄKERHETSDOKUMENT OCH ÖVRIGT MATERIAL

Marque SAAB  
Make \_\_\_\_\_

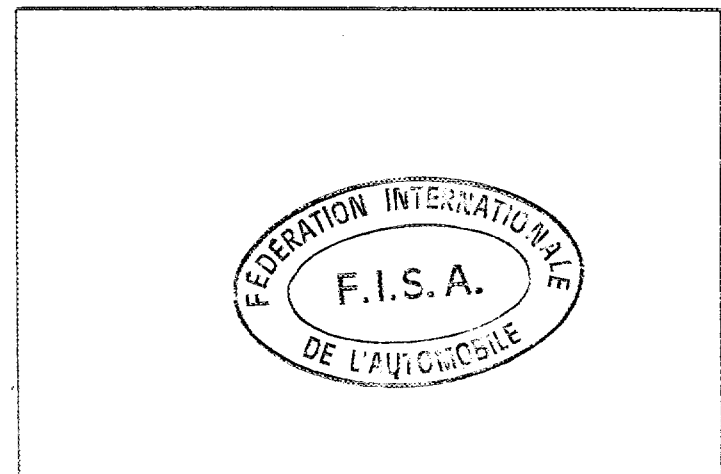
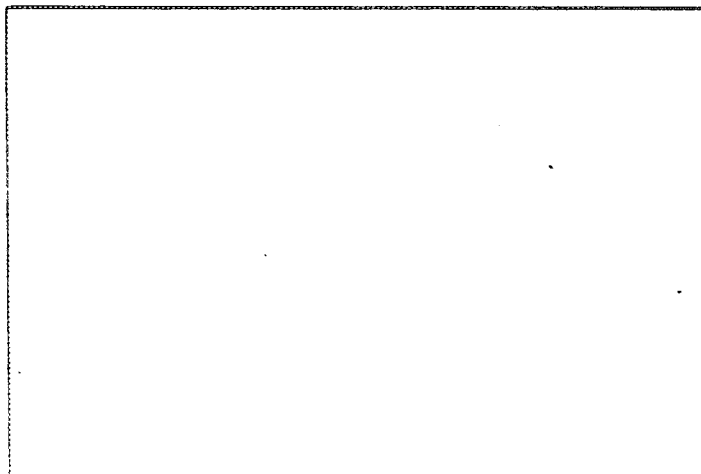
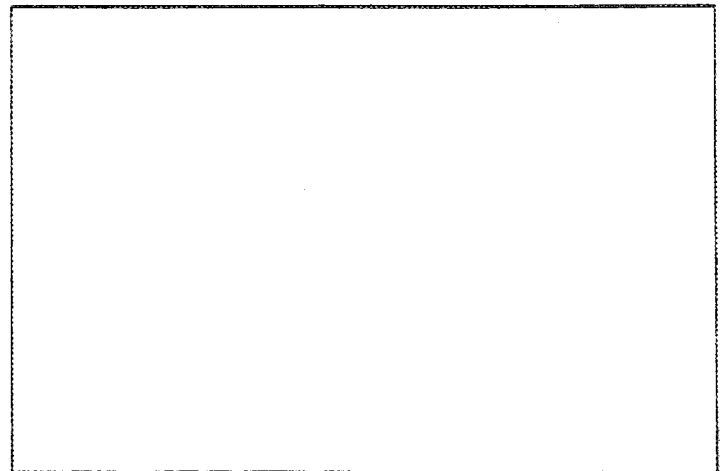
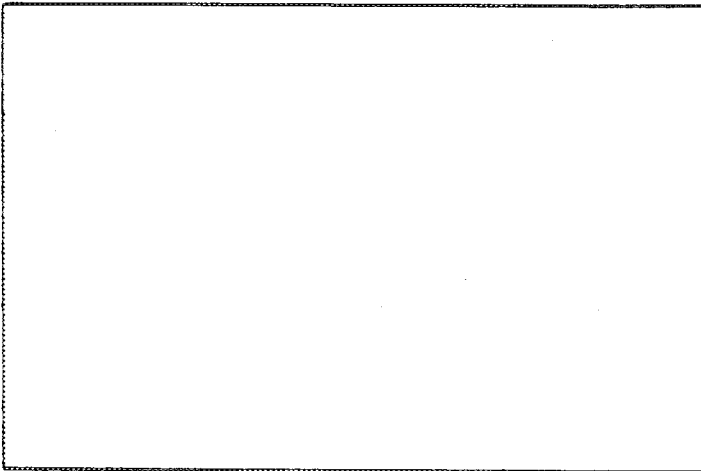
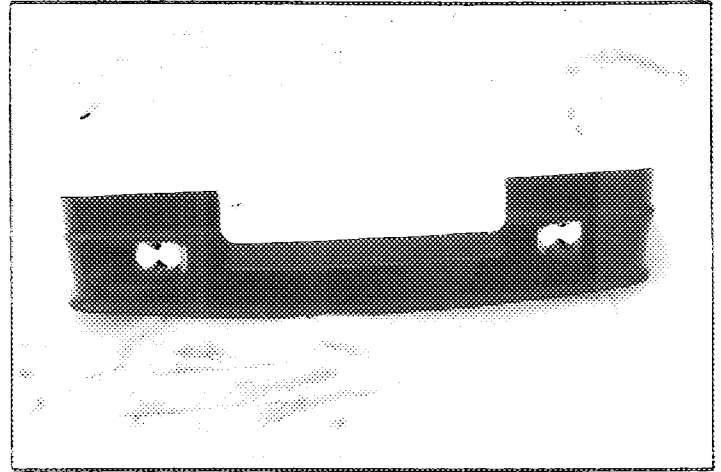
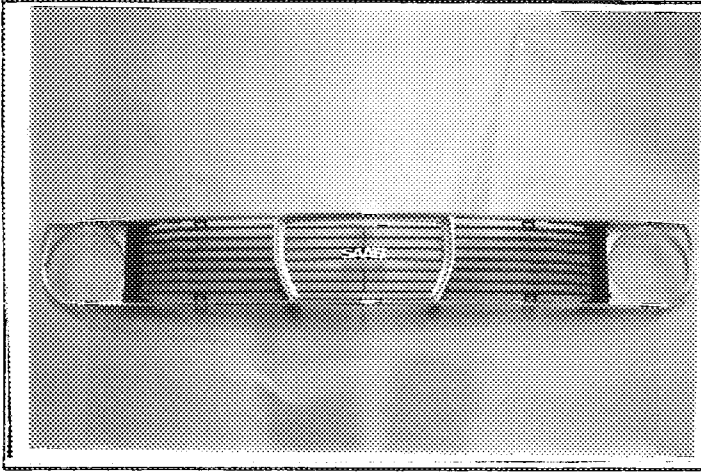
Modèle 99 SEDAN TURBO  
Model \_\_\_\_\_

N° Homol. A-5005

PHOTOS / PHOTOS

N° Ext. 07/01VF

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SECRETARIAT DE LA FÉDÉRATION INTERNATIONALE DE L'AUTOMOBILE  
10, Avenue de la Grande Armée, 75007 Paris (France)

**A-5005**

**08/07VO**

**Nachtrag zum offiziellen Testblatt der FISA**

Form of extension to the official FISA-Homologation

**VO** Ausstattungsvariante  
Option variant

**- 1 OCT. 1983**

Homologation gültig ab \_\_\_\_\_ in Gruppe A  
Homologation valid as from \_\_\_\_\_ in group

Fahrzeughersteller Saab Modell und Typ 99 Sedan Turbo  
Manufacturer of the car Model and type

**Überrollbügel/-käfig**  
Rollbar/rollcage

Hauptbügel  
Main rollbar

Diagonalstrebe  
Longitudinal/diagonal strut

Vorderbügel  
Front rollbar

Bügelhersteller Winfried Matter GmbH, D - 7523 Graben-Neudorf, 07255/5071  
Rollbar manufacturer

Material ALZn MG 1 ALZn Mg 1 ALZn Mg 1  
Material

Außendurchmesser 40 mm 40 mm / 40 mm 40 mm  
Exterior diameter

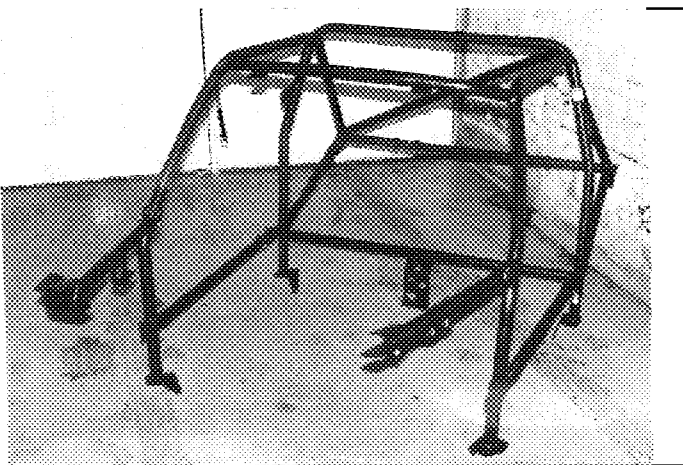
Wandstärke 3,5 mm 3,5 mm / 3,5 mm 3,5 mm  
Wall thickness

Streckgrenze 290-345 kg/mm<sup>2</sup> 290-345 kg/mm<sup>2</sup> / 290-345 kg/mm<sup>2</sup> 290-345 kg/mm<sup>2</sup>  
Elastic limit

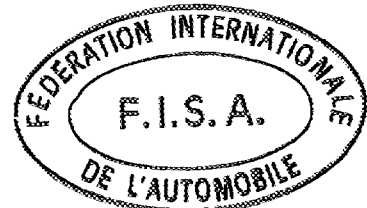
Zugfestigkeit 350-390 kg/mm<sup>2</sup> 350-390 kg/mm<sup>2</sup> / 350-390 kg/mm<sup>2</sup> 350-390 kg/mm<sup>2</sup>  
Tensile strength

Gesamtgewicht inkl. Befestigungsvorrichtungen 26 kg  
Total weight including fixings

Kompletter Überrollbügel/-käfig ausgebaut  
Complete rollbar/rollcage outside the car



*[Handwritten signature]*



Hiermit wird bestätigt, daß der beschriebene Überrollbügel/-käfig den Anforderungen des Anhangs J der FISA entspricht, insbesondere in Bezug auf seine Befestigungen, Verbindungen und Beanspruchungswerte.

We certify that the present rollbar/rollcage complies with the conditions of the FIA Appendix J, in particular with regard to its attachments, its connections and its stress resistances  
**SAAB-SCANIA AB**

*Gunnar Larsson*  
**Gunnar Larsson**  
 Director of Engineering  
 Unterschrift des Fahrzeugherstellers  
 Signature of the car manufacturer representative

*[Handwritten signature]*  
**Winfried Matter GmbH**  
 Geschäft  
 7523 Graben-Neudorf

*[Handwritten initials]*



# FEDERATION INTERNATIONALE DU SPORT AUTOMOBILE

Homologation N°

A - 5005

Extension N°

09 / 01 ER

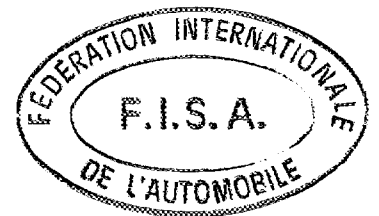
FICHE D'EXTENSION A L'HOMOLOGATION OFFICIELLE FISA  
FORM OF EXTENSION TO THE OFFICIAL FISA HOMOLOGATION

- ES** Evolution sportive du type / Sporting evolution of the type
- ET** Evolution normale du type / Normal evolution of the type
- VF** Variante de fourniture / Supply variant
- VO** Variante option / Option variant
- ER** Errata / Erratum

Homologation valable dès le \_\_\_\_\_ en groupe \_\_\_\_\_  
Homologation valid as from 1er Janvier 1988 in group A

Constructeur \_\_\_\_\_ Modèle et type \_\_\_\_\_  
Manufacturer SAAB Model and type 99 Sedan Turbo

Page ou ext. Page or ext.	Art. Art.	Description Description
		<p>Suite au changement du coefficient de suralimentation porté de (1.4) à (1.7) à partir du 1er Janvier 1988 :</p> <p><u>Articles 103 et 307b</u> :            1985 x 1.7 = 3374.5</p> <p><u>Article 307c</u> :                    2012 x 1.7 = 3420.4</p>



*[Signature]*